Revision

Mathematics Exercises for October Syllabus

First: Complete the following:

1. Six milliard, seventy thousand, ninety-six and five thousandths (**in standard form**): ....
2. 45,025,003.36 (**in word form**): ....
3. In 457,258,350.**6**8, the digit 6 is in the .... place and its value is ....
4. In 500,725,235.102, the digit in the Hundredths is .... and its value is ....
5. The value of 9 in the Hundredths place is ....
6. If the value of 3 is 0.3, then its place value is ....
7. The smallest number that can be formed from the digits (3, 9, 0, 5) up to the Thousandths is ....
8. 0.523 = ... thousandths, ... hundredths, ... tenths.
9. .... = 7 tenths, 9 thousandths.
10. The value of 9.25 increased when multiplying by 10 to ....
11. The value of .... increased when multiplying by 10 to 8.57.
12. The value of 0.25 decreased when dividing by 10 to ....
13. The value of .... decreased when dividing by 10 to 24.8.
14. 893 ÷ 10 = ...
15. 6.38 ÷ 10 = ...
16. .... ÷ 10 = 2.7
17. 458.36 X 10 = ...
18. .... X 10 = 25
19. 200 + 30 + 5 + 0.48 = ...
20. 8,258.36 = 8,000 + 200 + 50 + 8 + ...
21. 95.905 = ... (**in expanded form**)
22. 0.258 ≈ .... (**To the nearest one decimal place**)

23 45.269 ≈ ………………… (To the nearest 0.01)

24 0.909 ≈ 1 (To the nearest …………………)

25 56.28 X 10 = ………………… ≈ ………………… (To the nearest whole number)

26 The benchmark decimal closest to 0.99 is ………………… .

27 The estimate of the sum of 56.36 + 57.63 using rounding to the nearest 0.1 strategy is …………… .

28 15 Hundredths + 37 Hundredths = …………… Hundredths.

29 5 Tenths + …………… Hundredths = 560 Thousandths.

30 The estimate of 10.893 – 9.75 using rounding to the nearest 0.01 strategy is …………… .

31 The estimate of the sum of 75.23 – 9.25 using **Front-End Estimation** strategy is …………… .

32 7 Tenths – …………… Hundredths = 650 Thousandths.

33 …………… – 12.5 = 35.73

34 If 2.5 + 3.5 + **y** = 16, then **y** = …………………………………………………… .

35 If 10.5 – 2.5 = **a** – 8, then **a** = …………………………………………………… .

36 If **e** = 17.102, then **e** – 11.102 = ………………………………………… .

37 The number of factors of a prime number is ………………… factors.

38 All prime numbers are odd numbers, except ………………… which is an even number.

39 ………………… is the smallest prime number.

40 ………………… is the smallest odd prime number.

41 ………………… is a number greater than one and has only two factors.

42 The number of factors of 25 is ………………… factors.

43 The prime factors of 21 are ………………… .

44 The number whose prime factors are 2, 3, 3 is ………………… .

45 If **y** = 2 X 2 X 2 X 2, then **y** = ………… .

46 The factors of 27 are ....

47 The prime factors of 26 are ....

48 The greatest common factor of 7 and 14 is ....

Second: Choose the correct answer:

1 Seven milliard, fifty thousand and seven hundredths = ...

(7,050.07 or 7,000,050.07 or 7,000,050,000.07 or 7,050,000,000.07)

2 56,000,500.035 (**in word form**): ....

(fifty-six thousand, five hundred and and thirty-five thousandths

or fifty-six million, five hundred and thirty-five thousandths

or fifty-six million, five hundred thousand and thirty-five thousandths

or fifty-six million, five hundred thousand and thirty-five hundredths)

3 The place value of 5 in **5**28,239.247 is ....

(Hundred Millions or Hundred Thousands or Hundreds or Hundredths)

4 The value of 0 in 247,369.2**0**5 is .... (0.001 or 0.01 or 0.1 or 0)

5 If the value of 7 is 0.7, then its place value is ....

(Tenths or Ones or Tenths or Hundredths)

6 If the place value of 3 is Thousandths, then its value is ....

(0.003 or 0.03 or 0. or 3,000)

7 $4\frac{45}{100}$ = ... (4.45 or 445 or 4.045 or 45.4)

8 2.053 = ... ($2\frac{53}{10}$ or $2\frac{53}{100}$ or $2\frac{53}{1,000}$ or $\frac{253}{1,000}$)

9 The number of Tenths in 0.386 is .... parts. (3 or 30 or 83 or 386)

10 6 hundredths = ... (6 or 0.60 or 0.060 or 0.006)

11 6 tenths, 9 thousandths = ... (0.609 or 0.069 or 6.009 or 0.906)

12 The value of .... increased when multiplying by 10 to 25.26.

(25.26 or 252.6 or 2.526 or 2,526)

13 The value of .... decreased when dividing by 10 to 0.026.

(0.026 or 0.26 or 2.6 or 26)

14 .... X 10 = 258 (2580 or 258 or 25.8 or 2.58)

15 45 X 10 = ... (450 or 0.45 or 4.5 or 40.5)

16 When all digits of a number move one place to the ...., its value decreases. (right or left or other)

17 23 + 0.02 + 0.003 = ... (2,302,00 or 2,323 or 23.023 or 23.23)

18 56.5 X 10 ⬭ 565 ÷ 10 (< or = or > or ≤)

19 56 < .... < 57 (562 or 57.3 or 5.6 or 56.02)

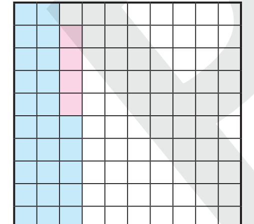
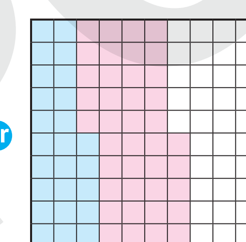
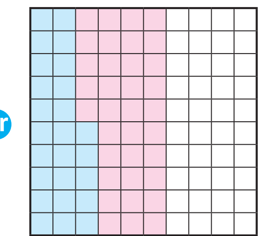
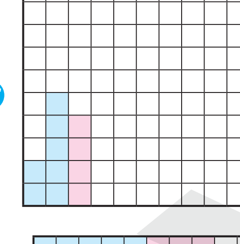
20 .... ≈ 2.5 (To the nearest 0.1)

(2.445 or 2.456 or 0.563 or 2.05)

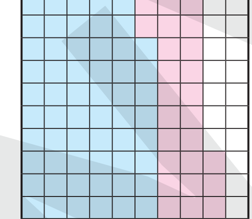
21 56.298 ≈ 56.30 (**To the nearest** ....)

(100 or 10 or 0.01 or whole number)

22 The model representing the addition problem 0.25 + 0.4 is ....

 or  or  or 

23 The addition problem that represents the opposite model is .... (0.58 + 2.5 or 5.8 + 0.25 or 5.8 + 2.5 or 0.58 + 0.25)



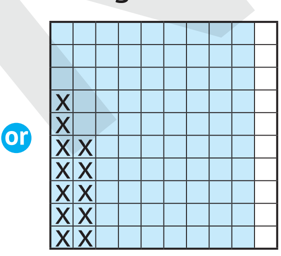
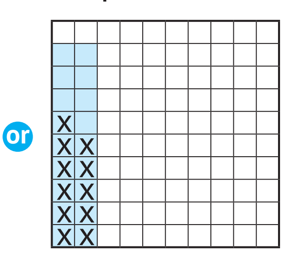
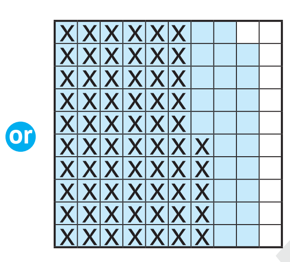
24 The benchmark decimal closest to 2.01 is ....

(1 or 1.5 or 2 or 2.5)

25 4 Tenths + 3 Thousandths = ... Thousandths.

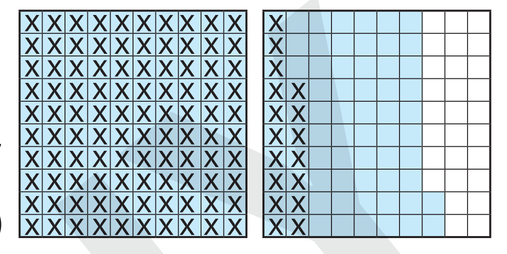
(0.403 or 7 or 43 or 403)

26 The model representing the subtraction problem 0.8 – 0.65 is ....

or  or  or 

27 The subtraction problem that represents the opposite model is ....

(1.72 – 0.17 or 1.72 – 1.7 or 1.72 – 1.17 or 172 - 117)



28 The estimate of 25.368 – 5.247 using rounding to the nearest 0.1 strategy is ....

(20 or 20.2 or 20.12 or 25.121)

29 12.78 – .... = 8.8 (3.98 or 21.58 or 11.9 or 13.66)

30 25 + 5.7 X 2 is a/an ....

(variable or mathematical expression or equation or other)

31 8 + x – 7 = 6.7 is a/an ....

(variable or mathematical expression or equation or other)

32 "Walaa has 1.25 kg of pistachios." is a/an ....

(variable or mathematical expression or equation or other)

33 The equation that represents "**a** minus 12 equals 7.5." is ....

(a – 12 = 7.5 or 12 – a = 7.5 or 7.5 – a = 12 or 12 – 7.5 = a)

34 In the equation 45 – **m** = 25, if 45 represents the number of students in one of the classes and 25 represents the number of girls in this class, then the variable **m** represents the ....

(number of girls or number of boys or number of students or number of teachers)

35 If the dimensions of a rectangle are 5.5 cm and 7.2 cm, then the variable "**p**" in the equation 7.2 + 5.5 + 7.2 + 5.5 = **p** represents the .... (length or width or perimeter or area)

36 If 63.5 + **m** = 108.5, then **m** = ... (45 or 172 or 45.5 or 171.5)

37 If 3.45 + **y** = 7.13 + 2.15, then **y** = ... (9.28 or 3.68 or 12.73 or 5.83)

38 The bar model that expresses the equation x + 3.5 = 11.3 is ....

(

11.3	
x	3.5

or

11.3	
8	**x**

or

x	
3.5	11.3

or

11.3	
x	8

)

39 The equation that expresses the corresponding bar model is ....

3.8	
y	2.7

(y + 2.7 = 3.8 or y – 2.7 = 3.8 or y – 3.8 = 2.7 or y + 3.8 = 2.7)

40 .... is a factor of all numbers. (0 or 1 or 2 or 3)

41 .... is a prime number. (51 or 52 or 57 or 59)

42 The prime number .... (has no factors or has one factor only or has two factors only or has three factors only)

43 .... is a factor of 24. (14 or 18 or 17 or 12)

44 The numbers 2, 3, 5, 7 are .... numbers . (even or odd or prime or composite)

45 If the factors of a number are 1, 2, 3, 6, then its prime factors are .... (1 X 6 or 1 X 2 or 2 X 3 or 2 X 6)

46 If the prime factors of a number are 2 X 2 X 2, then the number is .... (8 or 4 or 6 or 222)

47 The prime factors of **16** are .... (2X8 or 2X2X4 or 4X4 or 2X2X2X2)

48 The **greatest common factor** of any two prime numbers is .... (the largest number or the smallest number or one or zero)

49 The **greatest common factor** of 28 and 14 is .... (7 or 2 or 28 or 14)

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50 The **common** factor of two numbers are 1, 2, 3, 6, then the **GCF** for these two numbers is .... (36 or 6 or 12 or 16)

51 .... is a multiple of **9**. (19 or 6 or 3 or 27)

52 **14** is a multiple of .... (4 or 7 or 21 or 28)

53 The common multiple of all numbers is .... (1 or 2 or 3 or 0)

54 The LCM of **8** and **10** is .... (10 or 80 or 8 or 40)

55 .... is a number that has more than one set of factor pairs (Prime number or Factor or Multiple or Composite number)

56 .... is the number that is **multiplied** by another number to get the product.(Prime number or Factor or Multiple or Composite number)

57 Counting by jumping is a way to find the .... of a number. (sum or factors or multiples or other)

58 The least common multiple of **two** numbers, one of which is a factor of the other is .... (the largest number or the smaller number or the product of the two numbers or the sum of the two numbers)

Third: Match:

a

1 78 X 10	a 7.8
2 78 ÷ 10 = ...	b 70.8
3 70 + 0.8 = ...	c 780
4 7 + 0.08 = ...	d 70.08
5 70 + 0.08 = ...	e 7.08

b

1 The difference between 18.5 **and** 12.5	a **a** = 18.5 + 12.5
2 The sum of 18.5 **and** 12.5	b **a** = 18.5 – 12.5
3 12.5 **plus** a number equals 18.5	c 18.5 – **a** = 12.5
4 18.5 **minus** a number equals 12.5	d **a** + 12.5 = 18.5
5 A number **plus** 12.5 equals 18.5	e 12.5 + **a** = 18.5

Fourth: Complete using (<, = or >):

1. 456.25 ◯ 45.625
2. 42.9 ◯ 42.900
3. 8.5 X 10 ◯ 85 ÷ 10
4. 90.05 ◯ 900.5
5. 107.05 ◯ One hundred, seventy-five hundredths
6. 85.03 ◯ 80 + 5 + 0.03
7. 800,008.3 ◯ Eight hundred, eight thousand and three tenths
8. 75 + 0.05 ◯ 75.50
9. 400 + 4 + 0.4 + 0.004 ◯ Four hundred four and four hundred forty thousandths
10. 700,050,005.50 ◯ Seven hundred million, fifty thousand, five and fifty hundredths

Fifth: Arrange the following numbers:

1. 56.25 , 56.52 , 56.025 , 56.502 , 56.052 (**Ascendingly**)

   .... < .... < .... < .... < ....

2. 6.005 , 5.006 , 50.06 , 60.05 , 5.060 (**Descendingly**)

   .... > .... > .... > .... > ....

Sixth: Find the result:

1. $56.458 + 7.58 =$ ....
2. $483.258 + 736.27 =$ ....
3. $70.4 - 9.59 =$ ....
4. $523.147 - 92.57 =$ ....
5. 39.56 + 245.36 = ...
6. 638.47 + 56,324.98 = ...
7. 900.25 – 56 = ...
8. 39.56 – 24.36 = ...

Seventh: Find the factors of each of the following numbers using the method you prefer:

1 12

The factors of **12** are:

2 24

The factors of **24** are:

3 30

The factors of **30** are:

Eighth: Factorize each number into its prime factors using the factor tree:

1 16

16 =

2 18

18 =

3 32

32 =

Ninth: Answer the following:

1 ⓐ List the first 7 multiples of 6: ....

ⓑ List the first 7 multiples of 4: ....

ⓒ The common multiples of 6 and 4 of those you listed: ....

ⓓ The least common multiple of the two numbers is ....

2 ⓐ List the first 10 multiples of 2: ....

ⓑ List the first 5 multiples of 6: ....

ⓒ List the first 8 multiples of 8: ....

ⓓ The common multiples of 2, 6 and 8 of those you listed: ....

ⓔ The least common multiple of the numbers is ....

Tenth: **Put (✓) in front of the correct statement, and (✗) in front of the wrong statement:**

1. 17 is a prime number. ( )
2. 22 is a composite number. ( )
3. The prime number whose sum of factors is 8 is 7. ( )
4. The smallest prime number is 1. ( )
5. All prime numbers are **odd** numbers. ( )
6. 4 is a prime number because it has more than two factors. ( )
7. The smallest even prime number is 2. ( )
8. The smallest odd prime number is 3. ( )
9. 2, 2 and 5 are the prime factors of 10. ( )

Eleventh: **Find the GCF and LCM for each of the following:**

1. **12, 16**

   12 = ...

   16 = ...

   GCF = ... = ...

   LCM = ... = ...

2. **18, 12**

   18 = ...

   12 = ...

   GCF = ... = ...

   LCM = ... = ...

3. **21, 14**

   21 = ...

   14 = ...

   GCF = ... = ...

   LCM = ... = ...

4. **24, 36**

   24 = ...

   36 = ...

   GCF = ... = ...

   LCM = ... = ...

Revision

Twelveth: Answer the following:

a **Use the digits (8, 5, 7) and form the smallest decimal number up to the Hundredths, then multiply the result by 10, and complete:**

Whole Number						Decimal Point	Decimals		
Thousands			Ones						
Hundreds	Tens	Ones	Hundreds	Tens	Ones		Tenths	Hundredths	Thousandths
						.			
						.			

1. The value of .... (increased/decreased) when multiplying by 10 from .... to ....
2. The value of .... (increased/decreased) when multiplying by 10 from .... to ....
3. The value of .... (increased/decreased) when multiplying by 10 from .... to ....
4. Therefore, the value of the whole number .... (increased/decreased) by a factor of **10** from .... to .... , **so** .... X .... = ...

b Malak wants to cycle **40** km in a week. By Thursday, Malak had covered **34.99** km, and on Friday she had covered **4.01** km.

Did Malak achieve her goal or not? (Show your answer)

....

....

c Mohamed had **15,000** pounds. He bought a refrigerator for **7,520.25** pounds, and a washing machine for **5,640.5** pounds. How many pounds does Mohamed have left?

....

....

d Read the following story problems. Make an equation for each problem:

1 A classroom in a school has 21 girls and 15 boys.

How many students are there in this class?

....

....

2 Two numbers whose sum is 255 and one of them is 107.5. What is the other number?

....

....

e Mohamed trains to lift weights every 4 days and trains for tennis every 6 days. After how many days will Mohamed play tennis and lift weights on the same day?

....

....

....

....

f Omnia has two strips of fabrics. One is 45 centimeters wide, and the other is 75 cm wide. She wants to cut both pieces into strips of equal width that are as wide as possible. How wide should she cut the strips?

....

....

....

....

Guide Answers
Mathematics Exercises for October Syllabus

First

1 6,000,070,096.005
2 Forty-five million, twenty-five thousand, three and thirty-six hundredths.

3 Tenths, 0.6	4 0, 0	5 0.09
6 Tenths2	7 0.359	8 3, 2, 5
9 0.709	10 92.5	11 0.857
12 0.025	13 248	14 89.3
15 0.638	16 27	17 4,583.6
18 2.5	19 235.48	20 0.36
21 90 + 5 + 0.9 + 0.005		22 0.3
23 45.27	24 whole number	
25 562.8 ≈ 563	26 1	27 114
28 52	29 6	30 1.14
31 61	32 5	33 48.23
34 10	35 16	36 6
37 2	38 2	39 2
40 3	41 Prime number	42 3
43 3, 7	44 18	45 16
46 1, 3, 9, 27	47 2 X 13	48 7

Second

1 7,000,050.000.07
2 fifty-six million, five hundred and thirty-five thousandths

3 Hundred Thousands		4 0
5 Tenths	6 0.003	7 4.45
8 $2\frac{53}{1,000}$	9 3	10 0.060
11 0.609	12 2.526	13 0.26
14 25.8	15 450	16 right
17 23.023	18 >	19 56.02
20 2.456	21 0.01	
22 Second model	23 0.58 + 0.25	24 2
25 403	26 First model	
27 1.72 – 1.17	28 20.2	29 3.98
30 mathematical expression		
31 equation	32 other	
33 a – 12 = 7.5	34 number of boys	
35 perimeter	36 45	37 5.83
38 First bar model	39 y + 2.7 = 3.8	40 1
41 59	42 has two factors only	
43 12	44 prime	45 2 X 3
46 8	47 2 X 2 X 2 X 2	48 one
49 14	50 6	51 27
52 7	53 0	54 40
55 Composite number		56 Factor
57 multiples	58 the largest number	

Third

a	1 → c	2 → a	
	3 → b	4 → e	5 → d
b	1 → b	2 → a	3 → e
	4 → c	5 → d	

Fourth

1 >	2 =	3 >
4 <	5 >	6 =
7 <	8 <	9 <
10 =		

Fifth

1 56.025 < 56.052 < 56.25 < 56.502 < 56.52
2 60.05 > 50.06 > 6.005 > 5.060 > 5.006

Sixth

1 64.038	2 1,219.528	3 60.81
4 430.577	5 284.92	
6 56,963.45	7 844.25	8 15.2

Seventh

1 1 , 2 , 3 , 4 , 6 , 12
2 1 , 2 , 3 , 4 , 6 , 8 , 12 , 24
3 1 , 2 , 3 , 5 , 6 , 10 ,15 , 30

Eighth

1. 2 X 2 X 2 X 2
2. 2 X 3 X 3
3. 2 X 2 X 2 X 2 X 2

Ninth

1. a) 0, 6, 12, 18, 24, 30, 36
   b) 0, 4, 8, 12, 16, 20, 24
   c) 0, 12, 24
   d) 12
2. a) 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26
   b) 0, 6, 12, 18, 24
   c) 0, 8, 16, 24, 32, 40, 48, 56
   d) 0, 24
   e) 24

Tenth

1. ✓
2. ✓
3. ✓
4. ✗
5. ✗
6. ✗
7. ✓
8. ✓
9. ✗

Eleventh

1. GCF = 4, LCM = 48
2. GCF = 6, LCM = 36
3. GCF = 7, LCM = 42
4. GCF = 12, LCM = 72

Twelveth

a)
1. 5 , increased , 5 , 50
2. 7 , increased , 0.7 , 7
3. 8 , increased , 0.08 , 0.8
4. 5.78 , increased , 5.78, 57.8,
   5.78 X 10 = 57.8

b) 34.99 + 4.01 = 39.00 < 40
No, Malak didn't achieve her goal.

c) 7,520.25 + 5,640.5 = 13,160.75 pounds.
15,000 – 13,160.75 = 1,839.25 pounds.

d)
1. 15 + 21 = **x**
2. **x** = 12.5 + 65.5

e) 12 days

f) 15 cm

EL MOTAMYEZ - MATH Questions Bank

REVISION on unit 1 & 2

Question 01 Choose the correct answer

1. 4.9996 to the nearest thousandths is ....
   - (a) 4.9910 (b) 2.59 (c) 5 (d) 4.999
2. the common factor of all numbers is ....
   - (a) 0 (b) 2 (c) 1 (d) 10
3. which of the following is an expression ?
   - (a) 7.5 + 3.2 = k (b) 7.25 + 2.12 = 9.36 (c) 12.4-3.9 (d) k + 2.5 = 5.5
4. 12.5 increased by a number is 15 . The equation is ....
   - (a) 12.5+15 = x (b) 12.5+x=15 (c) 15+x=12.5 (d) 15-x=12.5
5. the number 10 has .... Factors
   - (a) 4 (b) 3 (c) 2 (d) 5
6. 9.14 x 100 is ....
   - (a) 91.4 (b) 91400 (c) 914 (d) 9
7. ....is one of the factors of 16
   - (a) 6 (b) 8 (c) 9 (d) 5
8. 80 + 5 + 0.01 + 0.003 = ...
   - (a) 85.103 (b) 85.013 (c) 83.013 (d) 85.13
9. 200 + 80 + 8 + 0.4 is ....
   - (a) 280 (b) 288.5 (c) 288.4 (d) 289
10. all of them are prime numbers except ....
    - (a) 2 (b) 3 (c) 5 (d) 1
11. $\frac{213}{1000}$ =
    - (a) 0.213 (b) 3.12 (c) 1.23 (d) 213
12. 45.235 to the nearest hundredths is ....
    - (a) 24 (b) 45.23 (c) 45.24 (d) 0.24
13. h - 45.23 = 96.1
    - (a) 50.87 (b) 141.33 (c) 45.21 (d) h
14. the common multiple of all numbers is ....
    - (a) 0 (b) 1 (c) 10 (d) 2

15. which number could be rounded to 2.68 ?
ⓐ 0.689 ⓑ 2.675 ⓒ 2.689 ⓓ 0.675

16. The place value of the digit 4 in 68.423 is ....
ⓐ 0.4 ⓑ tenths ⓒ 0.04 ⓓ tens

17. The value of the digit 8 in 674.483 is ....
ⓐ 80 ⓑ 8 ⓒ 0.08 ⓓ 0.800

18. The value of the digit 0 in 63.408 is ....
ⓐ 63.0 ⓑ 0.40 ⓒ 0 ⓓ 63.40

19. fifty three and five hundred fourteen thousands is ....
ⓐ 53.415 ⓑ 514.93 ⓒ 53.514 ⓓ 35.514

20. 67 × 10 = ...
ⓐ 6.7 ⓑ 7.6 ⓒ 670 ⓓ 67

21. 321.1 + 187.12 = ...
ⓐ 508.22 ⓑ 228.52 ⓒ 508.02 ⓓ 508

22. 0.832 to the nearest whole number is ....
ⓐ 3 ⓑ 2 ⓒ 1 ⓓ 4

23. 45.21 ÷ 100 = ...
ⓐ 4521 ⓑ 4.521 ⓒ 0.4521 ⓓ 452.1

24. 0.35 + 0.58 = ...
ⓐ 0.39 ⓑ 1.39 ⓒ 0.93 ⓓ 0.95

25. in 56.2 + x = 98 the variable is ....
ⓐ 1.6 ⓑ 5.6 ⓒ x ⓓ 4

26. m + 3.5 = 8.92 , then m = ...
ⓐ 12.42 ⓑ 12 ⓒ 5.42 ⓓ 5

27. the number whose prime factors are 2 , 3 and 5 is ....
ⓐ 16 ⓑ 30 ⓒ 24 ⓓ 15

28. 53.77-12.63=..........
ⓐ 41.14 ⓑ 14.41 ⓒ 4.41 ⓓ 41.4

29. prime numbers has .... Factors
ⓐ 5 ⓑ 2 ⓒ 1 ⓓ itself

30. 6.2 x 1000 = ...
ⓐ 62 ⓑ 0.62 ⓒ 6200 ⓓ 62000

31. 15 is an .... Number
ⓐ prime ⓑ even ⓒ odd

32. 15.2 + n is ....
ⓐ expression ⓑ equation ⓒ neither

Question 02 put (√) or (×)

1. the value of the number decreased when multiplying by 10 ( )
2. the G.C.F of 3 and 6 is 9 ( )
3. 589 ÷ 100 = 58.9 ( )
4. the common multiple of all numbers is zero ( )
5. 25.002 is read as twenty five and two ( )
6. 1 is a prime number ( )
7. 45 thousandths is 0.45 ( )
8. the composite numbers has only two factors ( )
9. 0.37 - 0.12 = 0.25 ( )
10. the prime factors of 24 is 2,2,2,3 ( )
11. the estimate of 199.99 by using front end is 200 ( )
12. 11 has 4 factors ( )
13. 500 + 20 + 3 + 0.02 = 523.2 ( )
14. 1,2,3,4,6,12 is the factors of 12 ( )
15. 5.232 - e = 3.21 is an expression ( )
16. 1.65 + 3.35 = 2.25 + 2.75 ( )
17. 5.245 - n = 2.14 , then n = 3.105 ( )
18. 8 is a common multiple of 2 and 4 . ( )
19. 1,2,3,6,12 is the factors of 12 ( )
20. 3.214 + n + 45.2 is an equation ( )
21. the multiples of 24 is 1,2,3,4,6,8,12,24 ( )
22. 0.985 is closer to 1 ( )
23. 2 is the smallest prime number ( )
24. 0.3 > 1.520 ( )
25. 1.2 + 2.014 = 3.214 ( )
26. 8 is prime number ( )
27. 32 hundredths + 30 thousandths = 0.35 ( )
28. the prime factors of 5 is 2,3 ( )

29. 15.289 > 13.287 (   )
30. 1 is a composite number (   )
31. $74.030 = 74\frac{3}{100}$ (   )
32. the value of 5 in the number 3.265 is 0.005 (   )
33. the H.C.f of 20 and 12 is 4 (   )
34. 0.7 = 0.700 (   )
35. LCM of two different numbers is greater than their GCF (   )
36. the place value of 6 in the number 3.265 is 0.06 (   )
37. $8\frac{3}{100} = 8.3$ (   )

Question 3 Complete

1. 345 ÷ 10 = ...
2. The multiples of 4 between 21 and 35 are ....
3. 34.214 = ...+................
4. 18 has .... Factors
5. six hundred two and thirty four thousandths in standard form is ....
6. the factors of 14 is ....
7. 324 thousandths + 476 thousandths = ... Tenths
8. 32.014 x 100 = ...
9. the benchmark of 0.9 is ....
10. the benchmark of 0.199 is ....
11. 452.3 ÷ 1000 = ...
12. 999.9 - 99.99 = ...
13. Esraa had 4.5 L.E , Mahmoud give her some money else , now she have 6.24 L.E . Write the equation of what Esraa has......................
14. 2.101 = ... + ... + ...
15. solve : m - 65.32 = 21.36 ....
16. 4207.03 + 8929.8 = ...
17. the product os 2 , 2 , 2 , 3 is ....
18. the place value of 1 in the number 12.36 is ....
19. the smallest prime number is ....

20. 3 tenths = ... hundredths = ... Thousandths
21. the first 5 multiples of 6 is ....
22. 45.213 in unit form is ....
23. GCF of any two different prime number is ....
24. 63 hundredths + 8 thousandths + 3 hundredths = ...
25. the prime numbers between 20 and 30 are ....
26. 15.46 = 10 + 5 + 0.4 + ...
27. 85.134 - 59.076 = ...
28. the smallest odd number is ....
29. the prime factors os 14 is ....
30. the only even prime number is ....
31. the L.C.M of 4 and 6 is ....
32. GCF of a two same prime number is ....
33. 456.23 read as ....
34. 99.99 to the nearest whole number is ....
35. 23 x 1000 = ...
36. in the equation R + 2.25 = 1.2 + 4.3 the value os R is ....
37. .... Is the G.C.F of 12 and 16 .
38. in 2654.236 , the digit in the thousandths place is ....

Question 4 Compare using (< , = or >)

1	1.9 - 0.78	☐	1.9 - 0.7
2	$7\frac{1}{4}$	☐	7.26
3	2.5 x 100	☐	25 x 10
4	0.05	☐	0.005
5	0.999	☐	1.009
6	16.300	☐	16.3
7	$\frac{6230}{100}$	☐	62.30

8	0.1 - 0.09	☐	1 - 0.9
9	13.010	☐	$13\frac{9}{10}$
10	3.7+0.8	☐	4.1+0.4
11	6.4+2.3	☐	7.2+1.4
12	0.16	☐	16 hundredths
13	2+8+0.4	☐	1+9+0.2+0.2
14	$\frac{3}{4}$	☐	0.62
15	1+0.3	☐	1+0.302
16	56+0.03	☐	56.007
17	10.011	☐	10.1
18	98.101	☐	98.013
19	30.2	☐	29.9
20	$\frac{600}{1000}$	☐	$\frac{60}{100}$
21	50.785 ÷ 100	☐	50.785 x 100
22	9.5	☐	9.05
23	8 thousandths	☐	0.008
24	218 x 10	☐	2180 ÷ 100

Question 5 Match

1

	(A)		(B)
1	the HCF of 30 and 40	a	36
2	the number of factors of 12	b	21
3	a common multiple of 3 and 7	c	6
4	the LCM of 9 and 12	d	10

2

	(A)		(B)
1	The value of 3 in 62.31	a	1
2	The place value of 3 in 56.231	b	1.3
3	0.77 to the nearest whole number	c	hundredths
4	1 + 0.3	d	0.3

3

	(A)		(B)
1	S + 15.32 = 18.20	a	S = 10
2	S - 14.19 = 11.42	b	S = 23
3	13.12 + 9.88 = S	c	S = 2.88
4	18.1 - 8.1= S	d	S = 2.77

4

	(A)		(B)
1	12.946+17.45 = ...	a	0.128
2	6.427 - 6.318 = ...	b	30.396
3	3.195 + 1.302 = ...	c	0.109
4	0.968 - 0.84 = ...	d	4.497

Question 6 Answer the following

1. Aliaa bought some goods for 6542.321 LE and sold them for 6431.21 LE . Find her loss .

....

2. Mahmoud and Esraa went on a fishing trip to lake Naser . They each caught a huge fish . Mahmoud's fish weighed 42.31 kg and the sum of them is 98.65 kg . What is the weight of Esraa's fish ? (write the equation)

....

3. when m = 53.218 and e = 64.61 . Estimate the sum of them and then write the actual sum .

....

4. find the greatest common factor of 16 and 18 . By using factorization.

....

5. the length of mazen is 1.06 m and Lara is taller than him by 0.35 m . Find the length of Lara .

....

6. Mr.Mahmoud is planing a trip from mansoura to cairo . He will travel 143.995 km . Round the distance to the nearest hundredths .

....

7. find the smallest common multiple of 4 , 12 and 8 . By using factorization .

....

8. if a farmer can lift 99.99 Liters of water a minute in his shadoof . About how many liters can he lift in 5 minutes .

....

9. IF the sum of two numbers is 65.324 and one of them is 4.21 find the other one . (write equation)

....

10. Esraa saved 144 LE daily , how much does she has after 100 day ?

....

أنتهت الأسئلة مع أطيب التمنيات بالنجاح والتوفيق

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

بنك الاسئلة

الصف الخامس الابتدائي ٢٠٢٣

المتميز

أ/ محمود سعيد

الاجابات النموذجية لبنك الاسئلة

Math

5 الصف الخامس

على مقررات شهر أكتوبر

اعداد

EL MOTAMYEZ - MATH Questions Bank

Question 01 Choose the correct answer

1. 4.9996 to the nearest thousandths is ....
   - (a) 4.9910
   - (b) 2.59
   - (c) <u>5</u>
   - (d) 4.999
2. the common factor of all numbers is ....
   - (a) 0
   - (b) 2
   - (c) <u>1</u>
   - (d) 10
3. which of the following is an expression ?
   - (a) 7.5 + 3.2 = k
   - (b) 7.25 + 2.12 = 9.36
   - (c) <u>12.4-3.9</u>
   - (d) k + 2.5 = 5.5
4. 12.5 increased by a number is 15 . The equation is ....
   - (a) 12.5+15 = x
   - (b) <u>12.5+x=15</u>
   - (c) 15+x=12.5
   - (d) 15-x=12.5
5. the number 10 has .... Factors
   - (a) <u>4</u>
   - (b) 3
   - (c) 2
   - (d) 5
6. 9.14 x 100 is ....
   - (a) 91.4
   - (b) 91400
   - (c) <u>914</u>
   - (d) 9
7. ....is one of the factors of 16
   - (a) 6
   - (b) <u>8</u>
   - (c) 9
   - (d) 5
8. 80 + 5 + 0.01 + 0.003 = ...
   - (a) 85.103
   - (b) <u>85.013</u>
   - (c) 83.013
   - (d) 85.13
9. 200 + 80 + 8 + 0.4 is ....
   - (a) 280
   - (b) 288.5
   - (c) <u>288.4</u>
   - (d) 289
10. all of them are prime numbers except ....
    - (a) 2
    - (b) 3
    - (c) 5
    - (d) <u>1</u>
11. $\frac{213}{1000}$ =
    - (a) <u>0.213</u>
    - (b) 3.12
    - (c) 1.23
    - (d) 213
12. 45.235 to the nearest hundredths is ....
    - (a) 24
    - (b) 45.23
    - (c) <u>45.24</u>
    - (d) 0.24
13. h - 45.23 = 96.1
    - (a) 50.87
    - (b) <u>141.33</u>
    - (c) 45.21
    - (d) h
14. the common multiple of all numbers is ....
    - (a) <u>0</u>
    - (b) 1
    - (c) 10
    - (d) 2
15. which number could be rounded to 2.68 ?
    - (a) 0.689
    - (b) <u>2.675</u>
    - (c) 2.689
    - (d) 0.675

16. The place value of the digit 4 in 68.423 is ....
    ⓐ 0.4 ⓑ tenths ⓒ 0.04 ⓓ tens
17. The value of the digit 8 in 674.483 is ....
    ⓐ 80 ⓑ 8 ⓒ 0.08 ⓓ 0.800
18. The value of the digit 0 in 63.408 is ....
    ⓐ 63.0 ⓑ 0.40 ⓒ 0 ⓓ 63.40
19. fifty three and five hundred fourteen thousands is ....
    ⓐ 53.415 ⓑ 514.93 ⓒ 53.514 ⓓ 35.514
20. 67 × 10 = ...
    ⓐ 6.7 ⓑ 7.6 ⓒ 670 ⓓ 67
21. 321.1 + 187.12 = ...
    ⓐ 508.22 ⓑ 228.52 ⓒ 508.02 ⓓ 508
22. 0.832 to the nearest whole number is ....
    ⓐ 3 ⓑ 2 ⓒ 1 ⓓ 4
23. 45.21 ÷ 100 = ...
    ⓐ 4521 ⓑ 4.521 ⓒ 0.4521 ⓓ 452.1
24. 0.35 + 0.58 = ...
    ⓐ 0.39 ⓑ 1.39 ⓒ 0.93 ⓓ 0.95
25. in 56.2 + x = 98 the variable is ....
    ⓐ 1.6 ⓑ 5.6 ⓒ x ⓓ 4
26. m + 3.5 = 8.92 , then m = ...
    ⓐ 12.42 ⓑ 12 ⓒ 5.42 ⓓ 5
27. the number whose prime factors are 2 , 3 and 5 is ....
    ⓐ 16 ⓑ 30 ⓒ 24 ⓓ 15
28. 53.77-12.63=...........
    ⓐ 41.14 ⓑ 14.41 ⓒ 4.41 ⓓ 41.4
29. prime numbers has .... Factors
    ⓐ 5 ⓑ 2 ⓒ 1 ⓓ itself
30. 6.2 x 1000 = ...
    ⓐ 62 ⓑ 0.62 ⓒ 6200 ⓓ 62000
31. 15 is an .... Number
    ⓐ prime ⓑ even ⓒ odd
32. 15.2 + n is ....
    ⓐ expression ⓑ equation ⓒ neither

Question 02 put (√) or (×)

1. the value of the number decreased when multiplying by 10
2. the G.C.F of 3 and 6 is 9
3. 589 ÷ 100 = 58.9
4. the common multiple of all numbers is zero
5. 25.002 is read as twenty five and two ✗
6. 1 is a prime number ✗
7. 45 thousandths is 0.45 ✗
8. the composite numbers has only two factors ✗
9. 0.37 - 0.12 = 0.25 ✓
10. the prime factors of 24 is 2,2,2,3 ✓
11. the estimate of 199.99 by using front end is 200 ✗
12. 11 has 4 factors ✗
13. 500 + 20 + 3 + 0.02 = 523.2 ✗
14. 1,2,3,4,6,12 is the factors of 12 ✓
15. 5.232 - e = 3.21 is an expression ✗
16. 1.65 + 3.35 = 2.25 + 2.75 ✓
17. 5.245 - n = 2.14 , then n = 3.105 ✓
18. 8 is a common multiple of 2 and 4 . ✓
19. 1,2,3,6,12 is the factors of 12 ✗
20. 3.214 + n + 45.2 is an equation ✗
21. the multiples of 24 is 1,2,3,4,6,8,12,24 ✗
22. 0.985 is closer to 1 ✓
23. 2 is the smallest prime number ✓
24. 0.3 > 1.520 ✗
25. 1.2 + 2.014 = 3.214 ✓
26. 8 is prime number ✗
27. 32 hundredths + 30 thousandths = 0.35

28. the prime factors of 5 is 2,3 ✗
29. 15.289 > 13.287 ✓
30. 1 is a composite number ✗
31. $74.030 = 74\frac{3}{100}$ ✓
32. the value of 5 in the number 3.265 is 0.005 ✓
33. the H.C.f of 20 and 12 is 4 ✓
34. 0.7 = 0.700 ✓
35. LCM of two different numbers is greater than their GCF ✓
36. the place value of 6 in the number 3.265 is 0.06 ✗
37. $8\frac{3}{100} = 8.3$ ✗

Question 3 Complete

1. 345 ÷ 10 = ...34.5........
2. The multiples of 4 between 21 and 35 are ......24,28,32.........
3. 34.214 = ...34.......+.........0.214.......
4. 18 has ...6..... Factors
5. six hundred two and thirty four thousandths in standard form is ....602.034.......
6. the factors of 14 is ......1,2,7,14.......
7. 324 thousandths + 476 thousandths = ...8....... Tenths
8. 32.014 x 100 = ...3201.4......
9. the benchmark of 0.9 is ....1.........
10. the benchmark of 0.199 is ......0.......
11. 452.3 ÷ 1000 = ...0.4523.......
12. 999.9 - 99.99 = ...899.91........
13. Esraa had 4.5 L.E , Mahmoud give her some mony else , now she have 6.24 L.E . Write the equation of what Esraa has......4.5 + m = 6.24.......
14. 2.101 = ...2...... + ...0.1...... + ...0.001....
15. solve : m - 65.32 = 21.36 ....m=86.68...........
16. 4207.03 + 8929.8 = ...13136.83......
17. the product os 2 , 2 , 2 , 3 is ......24........

18. the place value of 1 in the number 12.36 is ....tens.......
19. the smallest prime number is ......2.....
20. 3 tenths = ...30... hundredths = ...300..... Thousandths
21. the first 5 multiples of 6 is ......0,6,12,18,24....
22. 45.213 in unit form is ....4 tens , 5 ones , 2 tenths , 1 hundredths , 3 thousandths ....
23. GCF of any two different prime number is ......1......
24. 63 hundredths + 8 thousandths + 3 hundredths = ...0.668......
25. the prime numbers between 20 and 30 are ......23,29.......
26. 15.46 = 10 + 5 + 0.4 + ...0.06......
27. 85.134 - 59.076 = ...26.058........
28. the smallest odd number is ....1.......
29. the prime factors os 14 is ......2 ,7 ....
30. the only even prime number is ......2.....
31. the L.C.M of 4 and 6 is ......12......
32. GCF of a two same prime number is ......itself......
33. 456.23 read as ....four hundred fifty six and twenty three hundredths.................
34. 99.99 to the nearest whole number is ......100........
35. 23 x 1000 = ...23000.......
36. in the equation R + 2.25 = 1.2 + 4.3 the value os R is ......3.25.....
37. ......4........ Is the G.C.F of 12 and 16 .
38. in 2654.236 , the digit in the thousandths place is ......6.....

Question 4 Compare using (< , = or >)

1	1.9 - 0.78	<	1.9 - 0.7
2	$7\frac{1}{4}$	<	7.26
3	2.5 x 100	=	25 x 10
4	0.05	>	0.005
5	0.999	<	1.009
6	16.300	=	16.3

7	$\frac{6230}{100}$	=	62.30
8	0.1 - 0.09	<	1 - 0.9
9	13.010	<	$13\frac{9}{10}$
10	3.7+0.8	=	4.1+0.4
11	6.4+2.3	>	7.2+1.4
12	0.16	=	16 hundredths
13	2+8+0.4	=	1+9+0.2+0.2
14	$\frac{3}{4}$	>	0.62
15	1+0.3	<	1+0.302
16	56+0.03	>	56.007
17	10.011	<	10.1
18	98.101	>	98.013
19	30.2	>	29.9
20	$\frac{600}{1000}$	=	$\frac{60}{100}$
21	50.785 ÷ 100	<	50.785 x 100
22	9.5	>	9.05
23	8 thousandths	=	0.008
24	218 x 10	>	2180 ÷ 100

Question 5 Match

1

	(A)		(B)	
1	the HCF of 30 and 40	a	36	1 - d
2	the number of factors of 12	b	21	2 - c
3	a common multiple of 3 and 7	c	6	3 - b
4	the LCM of 9 and 12	d	10	4 - a

2

	(A)		(B)	
1	The value of 3 in 62.31	a	1	1- d
2	The place value of 3 in 56.231	b	1.3	2 - c
3	0.77 to the nearest whole number	c	hundredths	3 - a
4	1 + 0.3	d	0.3	4 - b

3

	(A)		(B)	
1	S + 15.32 = 18.20	a	S = 10	1 - c
2	S - 14.19 = 11.42	b	S = 23	2 - d
3	13.12 + 9.88 = S	c	S = 2.88	3 - b
4	18.1 - 8.1= S	d	S = 25.61	4 - a

4

	(A)		(B)	
1	12.946+17.45 = ...	a	0.128	1 - b
2	6.427 - 6.318 = ...	b	30.396	2 - c
3	3.195 + 1.302 = ...	c	0.109	3 - d
4	0.968 - 0.84 = ...	d	4.497	4 - a

Question 6 Answer the following

1. Aliaa bought some goods for 6542.321 LE and sold them for 6431.21 LE . Find her loss .

   6542.321 - 6431.21 = 111.111 LE

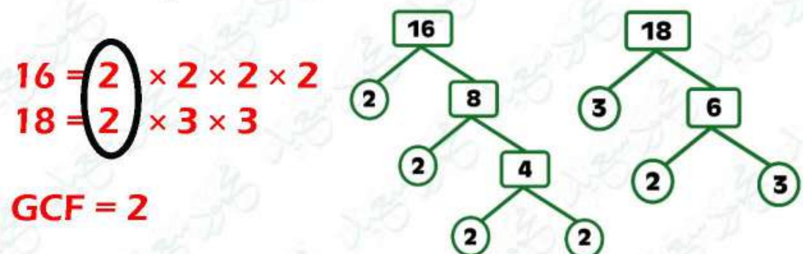
2. Mahmoud and Esraa went on a fishing trip to lake Naser . They each caught a huge fish . Mahmoud's fish weighed 42.31 kg and the sum of them is 98.65 kg . What is the weight of Esraa's fish ? (write the equation)

   42.31 + e = 98.65 ⟶ e = 98.65 - 42.31 ⟶ e = 56.34 kg

3. when m = 53.218 and e = 64.61 . Estimate the sum of them and then write the actual sum .

   the estimate = 53 + 65 = 118
   the actual sum = 53.218 + 64.61 = 117.828

4. find the greatest common factor of 16 and 18 . By using factorization.



5. the length of mazen is 1.06 m and Lara is taller than him by 0.35 m . Find the length of Lara .

1.06 + 0.35 = 1.41 m

6. Mr.Mahmoud is planing a trip from mansoura to cairo . He will travel 143.995 km . Round the distance to the nearest hundredths .

143.995 = 114 km

7. find the smallest common multiple of 4 , 12 and 8 . By using factorization .

4 = 2 × 2
8 = 2 × 2× 2
12 = 2 × 2 × 3

LCM = 2 × 2 × 3 × 2 = 24

8. if a farmer can lift 99.99 Liters of water a minute in his shadoof . About how many liters can he lift in 5 minutes .

100 x 5 = 500 liters

9. IF the sum of two numbers is 65.324 and one of them is 4.21 find the other one . (write equation)

x + 4.21 = 65.324 ⟶ x = 65.324 - 4.21 ⟶ x = 61.114

10. Esraa saved 144 LE daily , how much does she has after 100 day ?

144 x 100 = 14400 LE

تم بحمد الله

1	$42.18 \times 10 =$ …………….	(4.218 , 421.8 , 42.18 , 4218)
2	$1.5 - 0.75 =$ ………….	(1.8 , 7.5 , 0.75 , 1.25)
3	*the value of 4 in the number 72.014 is* …………	(4 , 0.4 , 0.04 , 0.004)
4	$701.008 = 700 + 1 +$ ……..	(0.080 , 0.800 , 8 , 0.008)
5	5 *Hundredths* + 13 *thousandths* = ………*Thousandths*	(63 , 18 , 513 , 37)
6	$5.361 >$ ……….	(5.37 , 5.362 , 5.366 , 3.561)
7	$78.098 \approx$ ………. [*to nearest whole number*]	(78.1 , 78 , 79 , 7)
8	$99.9 - 9.99 =$ …………	(90.09 , 90.9 , 89.19 , 89.91)
9	$316 \div 10 =$ ………….	(3.16 , 31.6 , 3,160 , 0.316)
10	*The place value of the dhigit 4 in the number 27.614 is* …………..	(*Tenths* , *Hundredths* , *ones* , *Thousandths*)
11	5 *ones* , 5 *thousandths* ……. 5.05	($<$, $>$, $=$)
12	$9 - 4.653 =$ …………..	(5.347 , 3.347 , 4.347 , 5.653)
13	*in the problem* $74.8 \div 10 = 7.48$ *the value of the digit 4 decreased from 4 to* ……	(40 , $\frac{4}{10}$, $\frac{4}{100}$, 0.004)
14	$340 + 0.3 + 0.04 =$ ……….	(34.34 , 340.304 , 34.304 , 340.34)
15	*in the number 432.519 , which digit is in the hundredths place ?*	(4 , 3 , 5 , 1)
16	$371.5 \div 100 =$ ………….	(37.15 , 3715 , 3.715 , 0.3715)
17	7 *tenths* − 7 *hundredths* = ………..	(6.3 , 0 , 0.36 , 0.63)
18	$14.27 +$ ……………..$= 15.89$	(1.53 , 1.62 , 1.6 , 1.65)

19	*the number [fifteen and fifteen thousandths] in expanded form is ………….* $a)\ 10+5+0.1+0.005$ $b)\ 10+5+0.01+0.005$ $c)\ 10+5+0.05+0.001$ $d)\ 10+5+0.1+0.05$
20	$174.602 = 174 +$ ………… (6.02 , 0.602 , 602 , 60.2)
21	$17.947 \approx$ ……… [*to the nearest 2 decimal places*] (17.948 , 17.90 , 17.95 , 17.94)
22	$0.04 + 0.4 =$ …………… (0.44 , 0.008 , 0.08 , 0.8)
23	$160.754 \approx$ ………. [*to the nearest tenth*] (160.7 , 160.8 , 161.0 , 160.75)
24	71 *hundredths* + 9 *hundredths* = ………… *tenths* (88 , 80 , 800 , 8)
25	$137.234 - 37.04 =$ ………… (133.530 , 100.194 , 99.166 , 100.230)
26	*Which number of the following has 3 hundredths ,7 ones ,* *2 thousandths ?* (0.732 , 3.72 , 7.032 , 3.702)
27	*the estimation of* $49.872 + 50.011$ *is* …………… (99 , 100 , 101 , 102)
28	99.257 …….. 1234 *tenths* ($<$, $>$, $=$)
29	7 *tenths* − 7 *thousandths* = ……….. (0.693 , 6.3 , 0.63 , *zero*)
30	19 *hundredths* ……………. 19 *thousandths* ($<$, $>$, $=$)
31	$2 + 0.05$ …….. $1.7 + 0.7$ ($<$, $=$, $>$)
32	………. $\times 10 = 258$ (2580 . 258 , 25.8 , 2.58)
33	$9.3 -$ …………= 8.254 (1.146 , 1.46 , 1.046 , 17.554)
34	*Round* 2.5698 *to the nearest thousandth* (2.569 , 2.560 , 2.57 , 2.568)

35	*the estimate of* $78.089 - 5.247$ *using rounding to the nearest* 0.01 *strategy is* .... (72.84 , 72.842 , 72.9 , 65)
36	*which number could be rounded to* 0.58 ? (0.589 , 0.59 , 0.57 , 0.577)
37	5 *ones* 5 *thousandths* .... 5.05 ($<$, $=$, $>$)
38	$82.497 \approx 82.50$ [*to the nearest* ... ...] (*whole number* , *tenths* , *hundredth* , *thousandth*)
39	215 *hundredths* = ... *a*) $200 + 10 + 5$ *b*) $20 + 1 + 0.5$ *c*) $2 + 0.1 + 0.05$ *d*) $200 + 0.1 + 0.05$
40	*All the following are equal except* .... (0.300 , 0.3 , 0.003 , 0.30)
41	$701.008 = 700 + 1 +$ .... (0.080 , 8 , 0.800 , 0.008)
42	*which of the following is greater than* 1.72 ? (1.27 , 1.8 , 1.07 , 1.072)
43	$4\frac{17}{1000} =$ .... (4.17 , 417 , 4.017 , 17.4)
44	3 *thousandths* .... $\frac{30}{100}$ ($<$, $=$, $>$)
45	$43.12 \div 10 =$ .... (4.312 , 4312 , 431.2 , 43.21)
46	$4 + 0.2 + 0.05 + 0.007$ .... 4257 *hundredths* ($<$, $=$, $>$)
47	$78.098 \approx$ .... [*to nearest whole number*] (78.1 , 78 , 79 , 7)
48	3.408 .... $\frac{348}{100}$ ($<$, $=$, $>$)
49	$0.256 +$ .... $= 1$ (0.854 , 1.744 , 0.8 , 0.744)
50	$68.567 \approx 68.57$ [*to the nearest* ... ...] (*whole number* , *tenth* , *hundredth* , *thousandth*)

51	*the value of the digit in tenths place in the number* 7.024 *is ....* (0.1 , 0 , 0.004 , 0.02)
52	.... $-2.45 = 0.55$ (3 , 30 , 300 , 0.10)
53	*the estimate of* $86.25 - 14.89$ *using rounding to the nearest whole number strategy is ....* (71.36 , 71.4 , 71 , 70)
54	56.5×10 .... $565 \div 10$ ($<$, $=$, $>$)
55	7 *ones* , 5 *thousandths* .... 7.05 ($<$, $=$, $>$)
56	$400 + 50 + 0.2 + 0.004 =$ .... (450.24 , 450.024 , 450.204 , 45.204)
57	$1 -$ ....$= 0.214$ (786 , 0.786 , 1.214 , 0.213)
58	.... ≈ 75.60 [*to the nearest hundredth*] (75.694 , 75.607 , 75.599 , 75.697)
59	*the benchmark decimal closest to* 2.01 *is ....* (1 , 1.5 , 2 , 2.5)
60	$56 + 0.02 + 0.007 \approx$ .... (*to the nearest two decimal places*) (56.2 , 56.3 , 56.02 , 56.03)
61	$2.053 =$ .... ($2\frac{53}{10}$, $2\frac{53}{100}$, $2\frac{53}{1000}$, $\frac{253}{1000}$)
62	$999.9 \approx$ .... [*to nearest whole number*] (990 , 999 , $1,000$, 900)
63	0.32×10 .... $3.2 \div 10$ ($<$, $=$, $>$)
64	$20.05 =$ .... ($20 + 5$, $200 + 0.5$, $2 + 0.005$, $20 + 0.05$)
65	$0.7 + 1.2 +$ .... $= 2$ (1.9 , 1.1 , 0.1 , 0.3)
66	*the value of* 5 *in the number* 3.256 *is ....* ($\frac{5}{10}$, $\frac{5}{100}$, $\frac{5}{1000}$, 0.5)

67	*The GCF of 20 and 30 is ....* (1 , 4 , 5 , 10)
68	*By using the bar model* [3.16 / m, 2.8] *the value of m is ....* (2.8 , 1.64 , 1.8 , 0.36)
69	*Which is not a common multiple of 9 and 6 ?* (42 , 54 , 36 , 18)
70	*if* $X - 2.456 = 1.987$, then $X =$ .... (4.334 , 4.453 , 4.444 , 4.443)
71	*The LCM of 6 and 10 is ....* (60 , 30 , 15 , 45)
72	*Which of the following is an expression ?* A) $2.36 + x = 14.78$ B) *Sara saved 20 L.E per day* C) $13.15 + 2.8 - x$ D) $1.75 + 1.25 = 2.1 + 0.9$
73	*The number 11 has .... factors* (1 , 2 , 3 , 4)
74	*Nada weight was 93.738 kg She decided to make a diet , her weight becomes 78.135 kg What weight does Nada lose ?* (14.923 kg , 12.731 kg , 10.423 kg , 15.603 kg)
75	*The smallest prime number is ....* (0 , 1 , 2 , 3)
76	*4 is a factor of ....* (40 , 39 , 38 , 37)
77	*18 has .... factors* (2 , 4 , 6 , 8)
78	*2 and 3 are common factor of ....* (5 , 6 , 15 , 9)
79	*Which of the following is composite number ?* (1 , 31 , 33 , 43)
80	$8.24 - y = 3.12$, *then* $y =$ .... (5.12 , 11.36 , 12.15 , 14.12)
81	*1 and 7 are the common factors of ....* (2 and 7 , 2 and 14 , 7 and 12 , 7 and 14)
82	*if* $x + 53.8 = 65.9$, *then* $x =$ .... (12.1 , 8.1 , 9.2 , 119.7)

83	The smallest odd prime number is .... (1 , 2 , 3 , 9)
84	The value of .... decreased when multiplying by 10 to 0.026 (0.026 , 0.26 , 2.6 , 26)
85	The number 17 has .... factor(s) (1 , 2 , 3 , 4)
86	The common factor of all numbers is .... (0 , 1 , 2 , 3)
87	Which of the following is a prime number ? (1 , 3 , 9 , 15)
88	The prime number between 44 and 50 is .... (45 , 46 , 47 , 49)
89	$25 + 5.7 \times 2$ is .... (variable , mathematical expression , equation , other)
90	The GCF of 10 and 15 is .... (10 , 5 , 15 , 30)
91	All the following numbers are composite except .... (66 , 67 , 68 , 69)
92	The value of .... increased when multiplying by 10 to 25.26 (25.26 , 252.6 , 2.526 , 2.526)
93	The prime factor of 6 is .... (1×6 , 2×3 , $5 + 1$, $2 + 3$)
94	The greatest common factor of any two prime numbers is .... (the largest number , the smallest number , 1 , 0)
95	Which is a common multiple of 5 and 8 ? (20 , 40 , 35 , 45)
96	if $m - 2.38 = 5.21$, then $m =$ .... (3.17 , 7.59 , 2.83 , 2.15)
97	the number 2 , 3 , 5 , 7 are .... numbers (even , odd , prime , comosite)
98	The GCF of 5 and 7 is .... (35 , 12 , 1 , 0)
99	25 has .... factors (1 , 2 , 3 , 4)
100	3 , 2 and 7 are prime factor of .... (14 , 21 , 42 , 44)

101	Which of the following is not a prime number ? (2 , 5 , 7 , 9)
102	20 is multiple of ………….. (3 , 6 , 8 , 10)
103	……….. is a prime number (51 , 52 , 59 , 60)
104	The number 13 has ……….. factors (3 , 5 , 2 , 1)
105	$8 + x = 9.2$ is ………… (variable , mathematical expression , equation , other)
106	The common multiple for all numbers is ……… (0 , 1 , 2 , 4)
107	prime factorization of 12 is …………… A) 1 , 2 , 3 , 4 , 6 , 12 B) $2 \times 2 \times 2 \times 3$ C) $2 \times 2 \times 3$ D) $2 \times 3 \times 4$
108	The LCM of 5 and 6 is ……….. (20 , 30 , 24 , 40)
109	Which is not a multiple of 6 ? (0 , 20 , 30 , 42)
110	if $3.45 + y = 7.13 + 2.15$, then $y =$ ………… (9.28 , 3.68 , 12.73 , 5.83)
111	………. is a factor of 24 (14 , 18 , 17 , 12)
112	The LCM of 5 , 6 and 20 is ……….. (30 , 60 , 15 , 90)

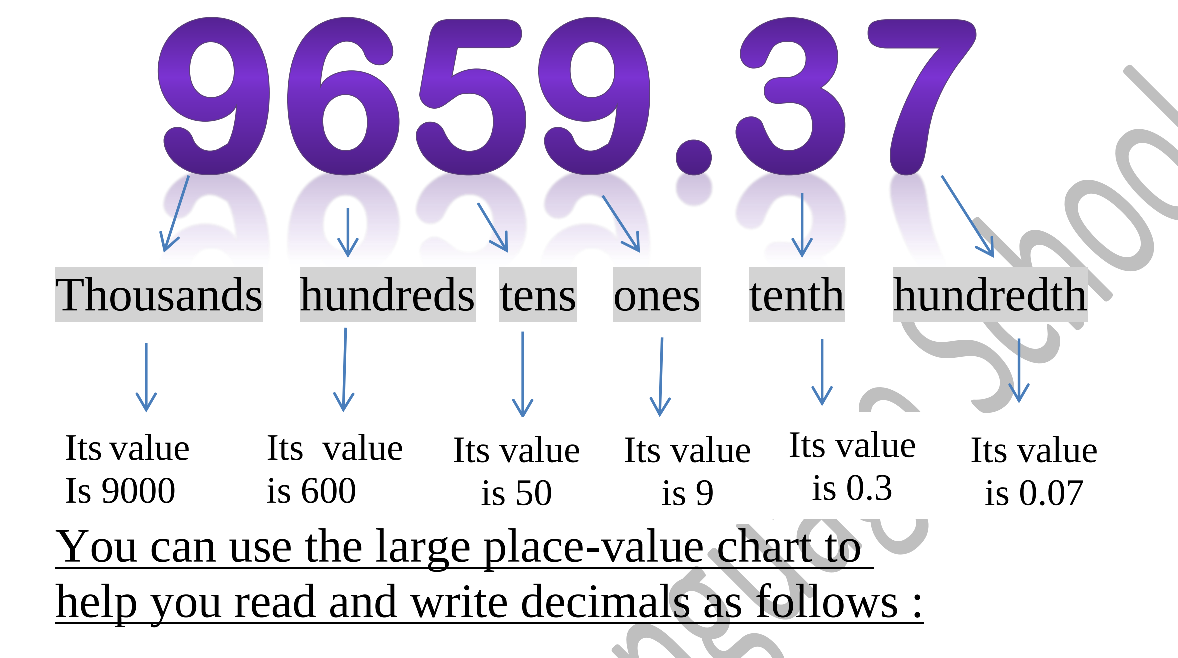
1	$5.3 - 1.624 =$ …………
2	*the place value of the digit* 0 *in the number* 3.506 *is* ………..
3	$17.51 + 36.098 =$ ………..
4	*the place value of the digit* 5 *in the number* 3.514 *is* …………….
5	$3 + 3$ *tenths* $+ 3$ *hundredths* = …………
6	$7,000 + 70 + 0.7 + 0.007 =$ ……………
7	*the value of* 3 *in the number* 5.137 *is* …………
8	……….. $+3.9 = 6.5$
9	$5.7 \div 100 =$ ……………
10	4 *thousandths* + 3 *thousandths* = ………….. *thousandths*
11	21 *hundredths* $+ 5.4 =$ ……………
12	$36.479 \approx 36.50$ [*to the nearest* … … … … …]
13	$100 - 47.85 =$ …………….
14	$0.007 + 0.7 + 70 =$ ………….
15	$21.57 + 361.983 =$ ……….
16	$2.463 \approx$ ………. [*to the nearest whole number*]
17	*the value of* 7 *in the number* 5.167 *is* ………..
18	7 *hundredths* − 17 *thousandths* = …………….. *thousandths*
19	$7,368 \div$ …………. $= 73.68$
20	$9 \div 1000 =$ ………….
21	$700 + 5,000 + 60 + 9 + 0.04 + 0.1 =$ …………….
22	$9651 \div 100 =$ ………..
23	*the value of the digit* 0 *in the number* 46.105 *is* ………..

24	$1482\ hundredths = 14 + ...$
25	$4.972 + 5.002$ estimate : ....
26	$15.7\ tenths = 1 + ... + 0.07$
27	$12.179 + 11\frac{1}{4} = ...$
28	$............... - 3\frac{3}{5} = 7.634$
29	$5,000 + 20,000 + 0.9 + 6 + 0.001 = ...$
30	$13 + 2.75 = ...$
31	$100 - 47.85 = ...$
32	$3\ \frac{8}{1000} \approx$ .... [to the nearest hundredths]
33	3 million and 142 thousandths = ...
34	$91.364 \approx$ .... [to the nearest hundredths]
35	The LCM the two number 3 and 5 is ....
36	.... is the only even prime number
37	The number whose prime factors are 2 , 2 , 3 and 5 is ....
38	The GCF of 6 and 15 is ....
39	The prime factors of 14 are .... and ....
40	The smallest prime number is ....
41	The common factor of all numbers is = ...
42	The common multples of all numbers is = ...
43	Two numbers ,the prime factor of the first are 2 , 2 , 5 and 5 and the prime factor of the second are 2 , 2 , 5 and 7 A) the first number = ... B)The second number = ... C) Their GCF = ... D) their LCM = ...

24	the multiples of 4 which lie between 21 and 35 are ....
25	The prime number has two factors which are .... and ....
26	All the multiples of 2 that are less than 10 are ....
27	the prime number which the difference between its factors is 4 = ...
28	the 2 digit prime number which is less than 13 is ....
29	find the GCF and LCM of each of the following : a. 18 , and 12 b. 24 and 36 c. 21 and 14
30	Ola saved 17.25 pounds and her brother Hossam saved 8.5 pounds . Find the sum they saved
31	If Mona has 1.275 kg of flour .She wants to make a cake for her children . If the cake needs 2kg of flour .How many more flour does Mona need ?
32	if the sum of two numbers is 50.1 and the smallest number of them is 5 .999 What is the greatest one ?
33	Two numbers ,one of them is 12 their GCF is 2 and their LCM is 60 Find the other number
34	Marwa waters one of her plants every 4 days and another plant every 6 days if she waters both plants today when is the next time both plants will be watered on the same day ?

Lesson 1 : the journey begins

The value and the place value of decimals:



You can use the large place-value chart to help you read and write decimals as follows :

milliards	millions			thousands			ones			.	Decimals	
O	H	T	O	H	T	O	H	T	O	.	tenths	hundredths
						9	6	5	9	.	3	7

Standard form : 9,659.37

Word form : nine thousand, six hundred fifty nine and thirty seven hundredth

Unit form : 9 thousands, 6hundreds, 5 tens, 9 ones, 3 tenth, 7 hundredth

Practice

Ex1 : Write each of the following in decimal form :

1) 83 hundredths ……………..
2) 3 hundredths ………………..
3) 4 and 4 hundredths ……………
4) 1 and 5 tenths ………………….
5) 40 and 50 hundredths …………..

Ex2 : write each of the following in word form :

1) 906.32 ……………………………..
2) 8708.8 ……………………………..
3) 2.33 ………………………………..
4) 89.76 ………………………………
5)8745.05 …………………………….

Ex3 : complete :

1) in 452.18 the digit 8 is in the …… place, its value is……………..
2) in 1,897.98 the digit 7 is in the ……. Place, its value is ………
3) in 734.28 the digit 8 is the …….. place, its value is ……………
4) in 452.09 the digit 5 in the …..….. place, its value is ……………
5) in 9,924.56 the digit 5 in the …….. place, its value is ……………

Lesson 2 : Decimal to the thousandths place

Ex1 : Write each of the following in decimal form :

1) 97 hundredths …………………………
2) 3 thousandths ………………………….
3) 4 and 43 hundredths …………………...
4) 1 and 5 thousandths ……………………
5) 40 and 50 thousandths …………………

Ex2 : write each of the following in word form :

1) 57.123 ……………………………………………………
2) 8.008 …………………………………………………….
3) 188.133 …………………………………………………...
4) 89.706 …………………………………………………….
5)5.105 ……………………………………………………

Ex3 : complete :

1) in 987.075 the digit 5 is in the …… place, its value is……………..
2) in 1,897.743 the digit 4 is in the ……. Place, its value is ………
3) in 734.208 the digit 0 is the …….. place, its value is ……………
4) in 452.019 the digit 4 in the …..….. place, its value is ……………
5) in 4.206 the digit 2 in the …….. place, its value is ……………

<u>**Lesson 3 : place value shuffle**</u>

Ex1 : Use the place value chart to solve the following

Ex1 : 12.5×100 =……..

thousands	Ones			.	Decimals	
O	H	T	O	.	tenths	Hundredths
				.		
				.		

-The value of whole number ……..(increased/decreased) when multiplying by 100

Ex2 : 17.5÷10 =……..

thousands	Ones			.	Decimals	
O	H	T	O	.	tenths	Hundredths
				.		
				.		

-The value of whole number ……….(increased/decreased) when dividing by 10

Lesson 4: composing and decomposing decimals.

Ex1 : Record the number in the place value chart to decompose this number :

- 34.546

Thousands	ones			.	Decimals		
O	H	T	O	.	tenths	Hundredths	Thousands
				.			

……………………………………………………………………
……………………………………………………………………

Ex2 : Write each of the following in standard form :

1) 7 + 0.3 + 0.04 + 0.009 = ……………………….
2) 400 + 4 + 0.04 + 0.004 = ………………………
3) 5,000 + 40 + 9 + 0.2 + 0.007 = …………………
4) 700 + 0.4 + 0.009 = ………………………..
5) 70 + 8 + 0.6 + 0.007 = ………………………..
6) 0.2 + 0.009 + 10 + 400 = ………………………..
7) 300 + 0.1 + 0.03 + 8 = ………………………..
8) 70 + 7 + 200 + 0.5 + 0.08 = ……………………...

Ex3 : Write the number in standard form :

1) Three and thirty one hundredths .
   ……………………………

1) Forty three and seven tenths.
   ……………………………….

2) Seventy three thousandths.
   ……………………………….

3) 2 tens , 4 ones , 8 tenths , 9 thousandths .
   ……………………………….

Ex4 : Complete each of the following :

1) 5.13 = ……. + 0.1 + 0.03
2) 87.9 = 80 + ……… + 0.9
3) ……… = 90 + 6 +0.6 + 0.01
4) Fifteen and four tenths = …… + …… + ..…
5) 254 thousandths = ……+ ……. + …….
6) 92 thousandths = …….. + ……..
7) 315 tenths = 30 + …….. + ……..
8) Six and twelve hundredths = 6 + ……. + ……..

Lesson 5 : Comparing Decimals.

Ex1: compare the numbers using (>,<or =):

1) 1.002 …….. $\frac{1002}{1000}$
2) 6.308 …….. 6+0.3+0.008
3) 9+0.008 …….. 9+0.1+0.001
4) 54.88……….54$\frac{88}{1000}$
5) 2 ones, 3 tenths, 4 thousandths ……… 2.34
6) 8.004 ………. 4 ones, 8 thousandths

Ex2 : Order from least to greatest :

1) 2.836 , 2.648 , 2.692 , 2.868
   ……………………………………………….
2) 80.21 , 80.012 , 8.102 , 8.012 , 80.09
   ……………………………………………….
3) 67.98 , 67.89 , 670.099 , 76.098.
   ……………………………………………….
4) 4.89 , 48.9 , 40.08 , 40.18 , 40.81
   ……………………………………………….
5) 679.147 , 678.147 , 678.174 , 678.109
   ……………………………………………….

lesson 6 : Rounding Decimals

Ex1 : write each of the following to the nearest whole number :

1) 0.8$\simeq$ …………..
2) 9.7 $\simeq$ …………..
3) 23.4 $\simeq$ ……………
4) 1.25 $\simeq$ …………….
5) 82.71 $\simeq$ ……………

EX 2 : write each of the following to the nearest tenths:

1) 76.176 $\simeq$ …………..
2) 25.74 $\simeq$ ……………
3) 152.19 $\simeq$ ……………
4) 34.820 $\simeq$ ……………
5) 91.99 $\simeq$ ………………

EX 3 : write each of the following to the nearest thousands:

1) 3.0708 $\simeq$ ………….
2) 0.0764 $\simeq$ ………….
3) 99.9996 $\simeq$ …………
4) 0.0004 $\simeq$ …………
5) 8.0098 $\simeq$ ………….

Lesson 7 : Estimating decimal sums

Ex1: Solve all the following and estimate:

1) 4.632 + 8.071=……………
   Estimate …………………
2) 3.51 + 1.13=………………
   Estimate …………………
3) 12.67 + 3.16 = ……………
   Estimate …………………
4) 1.291+ 9.12=……………..
   Estimate …………………
5) 5.87 + 8.13 =…………….
   Estimate…………………

Ex2 : sayed wanted to ride his bike 60 km this week ,by Thursday he had riden 51.99 km ,on Friday he rode 8.01 km . estimate to see if he has met his goal ?

…………………………………………………………
…………………………………………………………
…………………………………………………………

Lesson 8 : modeling decimal addition

Ex1: find the sum :

1) 0.14 + 0.24 =………………..

2) 0.07 + 0.12 = ……………….

3) 0.94 + 0.31 = ……………….

4) 0.06 + 0.06 = ……………….

5) 0.54 + 0.61 = ……………….

6) 0.03 + 0.17 = ……………….

7) 0.17 + 0.12 = ……………….

8) 0.82 + 0.13 = ……………….

9) 1.7 + 0.23 = ………………...

10) 5.33 + 3.44 = ……………….

lesson 9 : Thinking like mathematican

Ex1: Evaluate each sum and identify each digits place value :

1) 2 thousandths + 4 thousandths =..…thousandths

   Place value …....hundredths………thousandths

2) 5 thousandths + 8 thousandths =..…thousandths

   Place value …....hundredths………thousandths

3) 13 thousandths+54 thousandths =..…thousandths

   Place value …....hundredths………thousandths

4) 21 thousandths + 43 thousandths =..…thousandths

   Place value …....hundredths………thousandths

5) 56 thousandths+49 thousandths =..…thousandths

   Place value …....hundredths……thousandths

lesson 10 : subtracting decimals:

Ex1: Evaluate Each of the following :

1) 0.98 – 0.87 =………………

2) 8.16 – 0.04 =……………….

3) 0.76 – 0.58 =……………….

4) 4.79 – 2.39 =……………….

5) 9.129 – 3.111 =……………..

6) 6.852 – 0.19 =………………

7) 7.6 – 2.2 =……………………..

8) 87.29 – 5.06 =……………....

9) 76.88 – 8.16 =……………...

10) 82.87 – 9.54 =………………..

Lesson 11 : Estimating decimal differences:

Ex1: Solve all the following and estimate:

1) 8.76 – 2.16 =……………
   Estimate …………………
2) 3.61 – 1.13=………………
   Estimate …………………
3) 12.67 – 3.33 = ……………
   Estimate …………………
4) 15.14– 9.12=……………..
   Estimate …………………
5) 9.87 – 8.13 =……………
   Estimate…………………
6) 52.61– 13.12=……………..
   Estimate …………………
7) 83.77 – 8.63 =…………….
   Estimate…………………

Lesson 12 : subtracting to the thousandths place

Ex1: Evaluate each difference and identify each digits place value :

6) 25 thousandths –14 thousandths =..…thousandths

Place value …....hundredths………thousandths

7) 58 thousandths – 8 thousandths =..…thousandths

Place value …....hundredths………thousandths

8) 95 thousandths– 54 thousandths =..…thousandths

Place value …....hundredths………thousandths

9) 67 thousandths – 43 thousandths =..…thousandths

Place value …....hundredths………thousandths

10) 96 thousandths– 49 thousandths =..…thousandths

Place value …....hundredths………thousandths

Lesson 13: decimals story problems:

Ex1 : the width of tahya masr bridge ,which connects northern and eastern cairo to western cairo across the nile river is 67.3 m and jiaxing-shaoxing sea bridge in japan is less in width than the tahya masr bridge by 11.7 m . how wide is jiaxing-shaoxing sea bridge ?

…………………………………………………………
…………………………………………………………
…………………………………………………………
…………………………………………………………
…………………………………………………………
…………………………………………………………..

Ex2 : Amr and his father went fishing .each of them caught againt fish , the mass of the first fish was 53.25 kg ,and the mass of the other fish reached 48.8 kg what is the mass of the two fish together ?

…………………………………………………………
…………………………………………………………
…………………………………………………………
…………………………………………………………
…………………………………………………..………

Lesson 1: Expression, Eqautions and Variables:

- **Remember:-**
  - **Variable**: It's a letter or symbol that represents the value in an equation.

    For ex: X, Y, Z

  - **Expression**: It's a set of a fixed number and variables that line up next to each other.

    For ex: $X+5$, $3xy$

  - **Equation**: It's mathematical sentence that includes an equal relationship between two mathematical expression.

    For ex: $5+X=9$, $Y= 5x3$

Practice:

Ex1:Select any of the following sentences is "Equation", "Mathematical Expression" or "other":

1- $3.8+4.7=M$ (……………..)

2- $4.7 + 8.9$ (……………..)

3- $3.6 + N$ (……………..)

4- $3.5 + 2.4 = 2.5 + 3.4$ (……………..)

5- Amir had 3.5kg of apples.(…………..…)

6- $7 + y$ (……………)

Ex2:Read the following story problems. Make an equation for each problem:

1- Nour had 25.15 pounds, and she bought a toy for 14.5 pounds.
   How many pounds does Nour have left?

   …………………………………………..

2- A farm had 4,200chickens. 3,350 chickens were sold in a week.
   How many chickens are left on the farm?

   …………………………………………..

3- If you know that the sum of the height of two trees together is 46 meters and the height of one of them is 18.25 meters, find the unknown height.

   …………………………………………..

Lesson 2: Variables in Equations

Ex: Find the value of the variable:

1- $9 - x = 3.5$

$x =$ ………….

2- $8.23 + a = 10.24$

$a =$ …………..

3- $12 + x = 15$

$x =$…………..

4- $7 \times 14 = y$

$y =$………….

5- $n - 12.40 = 3.01$

$n =$……….

Lesson 3: Finding the unknown

Ex1: Find the value of the variable:

1) $7.521 + x = 12.131$

$x =$ …………

2) $t - 2.445 = 0.26$

$t =$…………

3) $6.82 - h = 1.023$

$h =$…………

4) $34.750 - s = 15.25$

$S =$…………

5) *55.05 + x = 99.15*

$X =$…………

Ex2: Find the missing number:

(1) 18.551 - k = 7.308

Bar model

Solution

(2) b – 4.863 = 6.350

Bar model

Solution

(3) $L + 3.247 = 5.489$

Bar model

Solution

(4) $34.750 - s = 15.25$

Bar model

Solution

Lesson 4: Telling stories with numbers

(1) If the sum of what Hamza and Ziad is 361.05 pounds, and Ziad has only 159.85 pounds, then how many Hamza has?

…………………………………………………………

…………………………………………………………

(2) Write a story problem representing each equation, and then solve it:

a) $Z + 4.04 = 8.3$

…………………………………………………………..

…………………………………………………………..

…………………………………………………………

…………………………………………………………

b) $P - 7.825 = 5.66$

………………………………………………………………

………………………………………………………………

………………………………………………………………

………………………………………………………………

………………………………………………………………

c) $9.53 + c = 12.53$

..

………………………………………………………………

………………………………………………………………

………………………………………………………………

………………………………………………………………

………………………………………………………………

Lesson 5 (finding factors)

1) Circle the Number which has Factor:

❶ Is Factor 2?
40, 43, 28, 54, 65, 30

❷ Is 5 Factor?
60, 35, 70, 53, 40, 56

❸Is Factor 4?
40, 35, 16, 70, 24

2) List All of The Factors of:

15
=…………… × …………
= ………….. × …………
=…………… × …………
=…………… × ………....
Factors are ……..........

20
=…………… × …………
=…………… × …………
=…………… × …………
=…………… × …………
Factors are ……..........

40
=…………… × …………
= ………….. × …………
=…………… × …………
=…………… × ………....
Factors are ……..........

24
=…………… × …………
=…………… × …………
=…………… × …………
=…………… × …………
Factors are ……..........

16

=……………×…………

= …………..×………….

=……………×…………

=……………. ×………....

Factors are ……..........

35

=……………×…………

=……………×…………

=……………×…………

=……………×…………

Factors are ……..........

36

=……………×…………

= …………..×………….

=……………×…………

=……………. ×………....

Factors are ……..........

42

=……………×…………

=……………×…………

=……………×…………

=……………×…………

Factors are ……..........

3) **Fill in the missing factors by the variables:**

$8 \times m = 16$ **m = ………..**

$V \times 15 = 45$ **v = ………….**

$7 \times t = 56$ **t = ………….**

$P \times 8 = 72$ **p = …………**

Lesson 6 (Prime factorization)

1)Find the factors and determine prime or not prime

21 =……….. × ……….
= ……….. × ……….
Factors are ……………………….
21 is ……….

7 = ………. × ………
Factors are ……………………….
7 is……….

10 =………. × ……….
=………. × ……….
Factors are ………………………..
10 is ………………

12

12 =…….........×…………

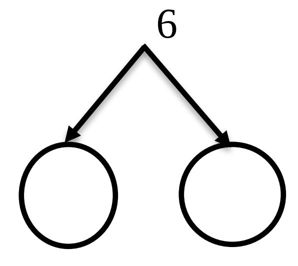
=…….……..×…………

=…….……..×………..

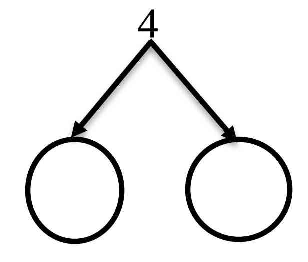
Factors are ………………………..

12 is ………………

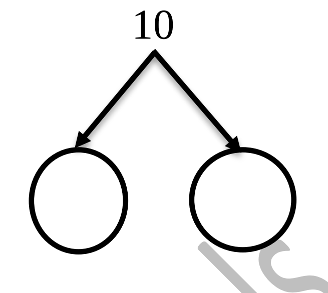
4)Factorize to prime factors using factor tree :



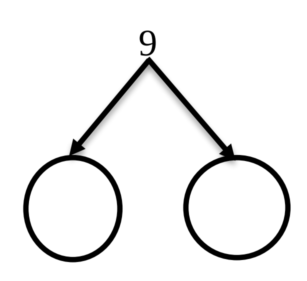
6=……… × ……..



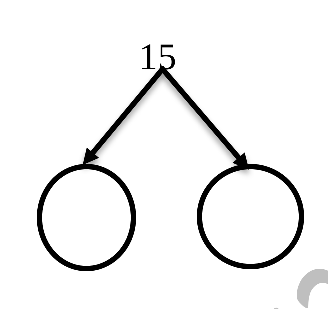
4= ……… × ………



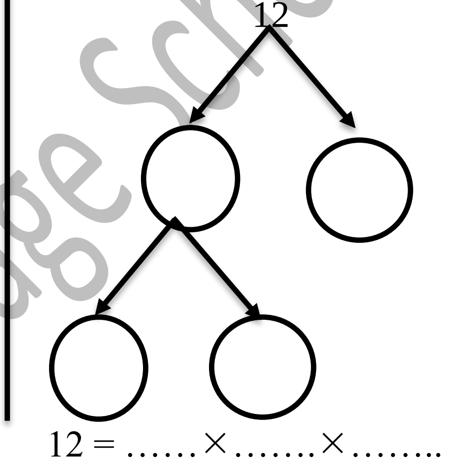
10=……… × ……..



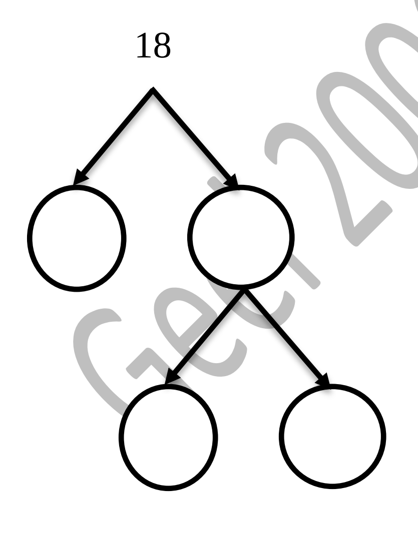
9 = ………. × ……….



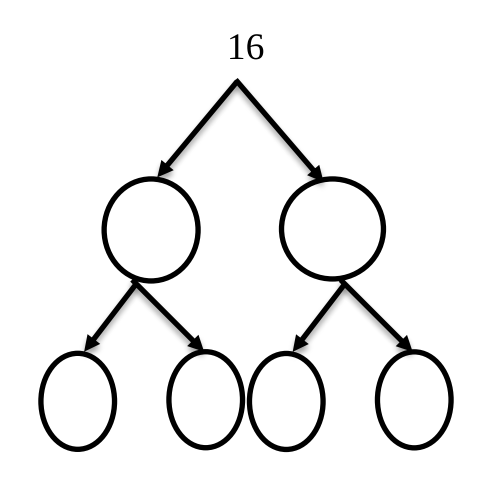
15 =……… × ……..



12 = ……×…….×……..



18=……×…….×…….



16=…….×…....×……×…….

Lesson 7 (Greatest common Factors)

1)Find the GCF for each of the following :

a) 28 and 42

28 = …………………………

42 = …………………………

GCF =……………………

b) 16 and 32

16 = …………………………

32 = …………………………

GCF =…………………………..

c) 18 and 27

18 = ………………………

27 = ………………………

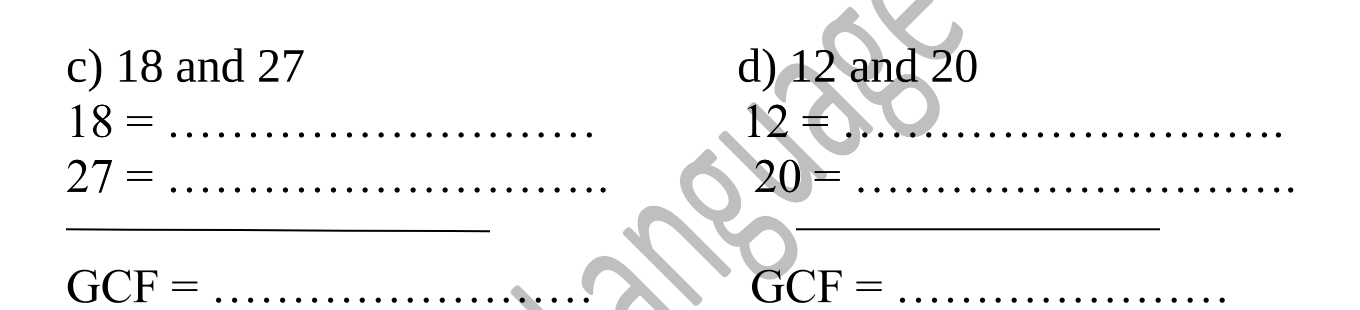
GCF = ……………………

d) 12 and 20

12 = ……………………….

20 = ……………………….

GCF = …………………



e) 30 and 45

30 = …………………………

45 = …………………………

GCF = ……………………..

f) 48 and 72

48 = ………………………

72 = ………………………..

GCF = ………………………

Lesson 8 (identifying multiples)

1)complete :

a) List the first five multiple of 7
………………………………………………………..
b) List the first six multiple of 5
…………………………………………………………..
c) List the first ten multiple of 3
…………………………………………………………..
d) List the first eight multiple of 10
………………………………………………………
e) List the first twelve multiple of 4
………………………………………………………
f) List the first nine multiple of 6
…………………………………………………………

2)Underline multiples of 2 :

17 , 5 , 26 , 4 , 13 , 2 , 20

3)Underline multiples of 2 :

4 , 15 , 21 , 3 , 10 , 12 , 22

4)Underline multiples of 5 :
20 , 8 , 5 , 51 , 40 , 15 , 23

Lesson 9 (Least Common Multiple)

1)Find the LCM of the following :

a) 6 and 9

6 = …………………...........

9 = …………………………

LCM = ……………………

b) 12 and 9

12 = ……………………….

9 = ………………………..

LCM = ………………………

c) 10 and 15

10 = ………………………

15 = ……………………….

LCM = …………………………

d) 4 and 8

4 = …………………………

8 = …………………………..

LCM = …………………………

Lesson 10 (Factors or Multiple)

1)Find GCF and LCM :

a) 12 and 9

12 = ………………….……

9 = ……………………

GCF = ……………………..

LCM = ……………………

b) 8 and 4

8 = ………………………

4 =………………………

GCF = ……………………

LCM = ……………………

Choose :

1)The smallest prime number is ……………

a) 1 b) 2 c) 3 d) 5

2) The common factor for all numbers is ……………

a) 1 b) 2 c) 3 d) 5

3) The numbers 3 and 5 factors of ……………….

a) 10 b) 12 c) 15 d) 20

4) The G.C.F of (8 , 4) ………………

a) 2 b) 4 c) 5 d) 8

الاختبارات الشهرية

لشهر أكتوبر ٢٠٢٢

Mathematics - Science - English

5 th PRIMARY

First Term

للمدارس التجريبية
والخاصة لغات

Mathematics

Primary 5

Test 1

1 Choose the correct answer : (5 marks)

1. Which number of the following has 3 hundredths , 7 ones , 2 thousandths ?
   (a) 0.732 (b) 3.72 (c) 7.032 (d) 3.702

2. The LCM of 5 and 6 is ....
   (a) 20 (b) 24 (c) 30 (d) 40

3. 174.602 = 174 + ...
   (a) 6.02 (b) 0.602 (c) 602 (d) 60.2

4. 7 tenths – 7 thousandths = ...
   (a) 0.693 (b) 0.63 (c) 6.3 (d) zero

5. All the following are equal except ....
   (a) 0.300 (b) 0.3 (c) 0.003 (d) 0.30

2 Complete : (5 marks)

1. If X + 52.89 = 62.90 , then X = ...
2. All the factors of 15 are ....
3. $2.416 \times 10 =$ ....
4. The value of the digit 5 in the number 31.25 is ....
5. $21.729 \approx$ .... (to the nearest Tenth)

3 [a] Find the result of each of the following. (2 marks)

1. 17.3 + 4.6
2. 12.74 – 0.359

....

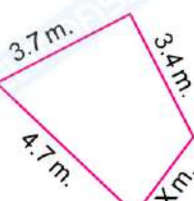
....

....

[b] If the perimeter of this shape is 16.9 meters , what does X equal ?

....

....



Test 2

Total mark
....
15

1 Choose the correct answer : (5 marks)

1. $72.43 \div 10 =$ ....
   (a) 7.243 (b) 72.34 (c) 7243 (d) 724.3
2. The common factor of all numbers is ....
   (a) 0 (b) 1 (c) 2 (d) 3
3. Which of the following is an expression ?
   (a) $2.36 + X = 14.78$ (b) Sara saved 20 L.E per day
   (c) $13.15 + 2.8 - X$ (d) $1.75 + 1.25 = 2.1 + 0.9$
4. $39.999 \approx$ .... [to the nearest Hundredth]
   (a) 39 (b) 40 (c) 39.9 (d) 39.99
5. $1.7 + 0.2$ ☐ $1.33 + 0.51$
   (a) $<$ (b) $=$ (c) $>$

2 Complete : (5 marks)

1. $70.106 = 70 + 0.1 +$ ....
2. 5 Hundredths – 24 Thousandths = ... Thousandths.
3. $458.2 \div 100 =$ ....
4. In 734.28 , the digit 2 is in the .... place. Its value is ....
5. The number whose all prime factors are 2 , 3 and 5 is ....

3

[a] The weight of Noha is 35.275 kg. and the weight of Hala is 42.012 kg.
What is their weight together ? (2 marks)

....

[b] Find the GCF and LCM for 12 and 10 (3 marks)

Test 3

Total mark
....
15

1 Choose the correct answer : (5 marks)

1 For the equation : $7.325 - X = 4.127$, which of the following part – to – whole bar model is suitable ?

ⓐ

X	
7.325	4.127

ⓑ

7.325	
X	4.127

ⓒ

4.127	
7.325	X

ⓓ

X	
4.127	3.198

2 The smallest prime number is ....

ⓐ 0 ⓑ 1 ⓒ 3 ⓓ 2

3 $724.3 \div 100 =$ ....

ⓐ 7.243 ⓑ 72.34 ⓒ 7243 ⓓ 724.3

4 Which of the following is not an expression ?

ⓐ $x + 0.8 - 1.6$ ⓑ $3.25 + x + 5.55$ ⓒ $3.6 - x = 1.54$ ⓓ $2.36 + 1.5 - x$

5 5.65 ☐ 56.5

ⓐ > ⓑ = ⓒ <

2 Complete : (5 marks)

1 $3.9 + 1.26 =$ ....

2 $17.5 - 8.36 =$ ....

3 $21.316 \approx$ .... (to the nearest Hundredth)

4 The place value of the digit 3 in the number 15.263 is ....

5 The first four multiples of 5 are .... , ... , ... , ...

3 **[a]** Omar exercises every 12 days. Rana exercises every 8 days. Both friends exercised together today. How many days will it be until they exercise together again ? Do you have to find the GCF or the LCM ? What is the answer ? (3 marks)

....

....

....

[b] Solve the following equations : (2 marks)

1. $8.2 + p = 10.4$
2. $k - 6.82 = 3.11$

....

....

....

Answers of Test 1

1 1 c 2 c 3 b 4 a 5 c

2 1 10.01 2 1 , 3 , 5 and 15 3 24.16 4 0.05 or $\frac{5}{100}$ 5 21.7

3 [a] 1

$$\begin{array}{r} 17.3 \\ +\ 4.6 \\ \hline 21.9 \end{array}$$

2

$$\begin{array}{r} 12.\cancelto{6}{7}\,\cancelto{13}{4}\,\cancelto{10}{0} \\ -\ 0.3\,5\,9 \\ \hline 12.3\,8\,1 \end{array}$$

[b] 3.4 + 3.7 + 4.7 + X = 16.9

11.8 + X = 16.9

X = 16.9 – 11.8 = 5.1 m

Answers of Test 2

1 1 a 2 b 3 c 4 b 5 c

2 1 0.006 2 26 3 4.582

4 tenths , 0.2 or $\frac{2}{10}$ 5 30

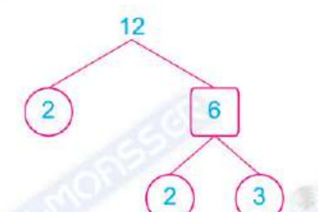
3 [a] Their weight = 35.275 + 42.012 = 77.287 kg

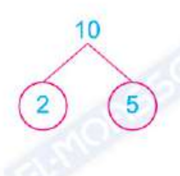
[b] 12 = 2 × 2 × 3

10 = 2 × 5

G C F = 2

L C M = 2 × 2 × 3 × 5 = 60





Answers of Test 3

1 1 b 2 d 3 a 4 c 5 c

2 1 5.16 2 9.14 3 21.32

4 thousandths 5 0 , 5 , 10 , 15

3 **[a]** I have to find the LCM :

$$\begin{array}{lcl} 8 & = & 2 \times 2 \times 2 \\ 12 & = & 2 \times 2 \quad\quad \times 3 \\ \hline LCM & = & 2 \times 2 \times 2 \times 3 = 24 \end{array}$$

, so it will be 24 days.

[b] **1** $8.2 + p = 10.4$

$p = 10.4 - 8.2$

$= 2.2$

2 $k - 6.82 = 3.11$

$k = 6.82 + 3.11$

$= 9.93$

Mathematics

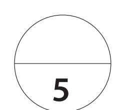
الصف 5 الابتدائي

مقترح النماذج الاسترشادية لشهر أكتوبر

العام الدراسى 2022 - 2023

15 Marks — Model (1)

1 Complete each of the following:



a In the number 675.97 the digit 6 is in the .... place. Its value is ....

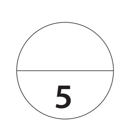
b 0.528 = ... tenths, ... hundredths, ... thousandths.

c 427 + 0.08 + 0.006 = ... (in the standard form)

d The prime factors of 20 are: .... , ... , ...

e The variable in the equation $x + 5 = 9$ is ....

2 Choose the correct answer:



a What would the number 3.263 become if it were increased by a factor of 10?

- 3.263
- 0.3263
- 326.3
- 32.63

b Five thousand, two hundred and twenty-three thousandths = ...

- 5,200. 230
- 5,200. 23
- 520.023
- 5,200.023

c 381.657 ≈ .... (to the nearest hundredth)

- 381.667
- 400
- 381.66
- 381.60

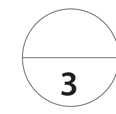
d The GCF for the pair (30 , 25) is ....

- 25
- 5
- 10
- 3

e ...... is a factor of the number 35

- 2
- 3
- 5
- 6

3 Solve each of the following problems:

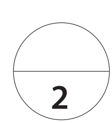


a **Estimate using rounding to the nearest hundredths:**

8.321 – 15.369 = ...

b **Estimate the difference using benchmark numbers:**

12.761 – 6.217 = ...



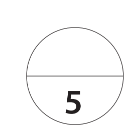
4 Solve the following equation using bar model:

$3.41 + y = 6.27$

15 Marks

Model (2)

1 Complete each of the following:



a In 43,125.86 the digit 8 is in the .... place. Its value is ....

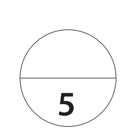
b Eighty-four thousand and twenty-seven hundredths = ... (In the standard form)

c The value of the digit 3 in the number 8,476.23 is ....

d .... = 6,000 + 900 + 0.3 + 60 + 0.04 + 6

e The number 8,476.23 ≈ .... (to the nearest tenths)

2 Choose the correct answer:



a 59.16 .... 59.6

- <
- >
- =
- otherwise

b 562.8935 ≈ ....(to the nearest thousandth)

- 562.894
- 562.8945
- 562.8935
- 6.000

c The sum of 462 and 11.2 has .... decimal place(s).

- 1
- 2
- 3
- 0

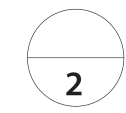
d If 8.675 – Z = 4.72, then Z = ...

- 4.603
- 3.955
- 3.950
- 4.955

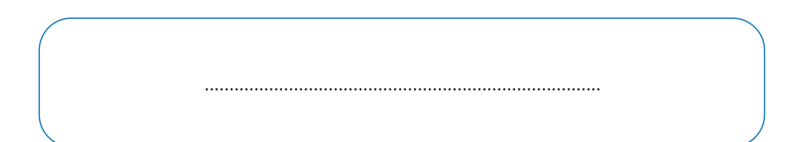
e The LCM of 4 and 8 is ....

- 4
- 16
- 8
- 24

3 Arrange each of the following ascendingly:



a 6.12 , 6.6 , 6.3 , 6.091



b Estimate each number by rounding, to nearest tenths, then find their sum:

2.85 + 3.156 = ...

4 **Fill in the bar model, then find the solution:**

3

$2.456 + x = 7.382$

....	
....	....

Model (3)

15 Marks

1 Complete each of the following: 5

a. The digit in the hundredths place in the number 638.52 is .... and its value is ....

b. 479.81 ≈ .... (to the nearest whole number)

c. 2 hundredths + 93 thousandths = ... thousandths

d. Nine thousand five hundred thirty-two and four hundred nine thousandths in the standard form is ....

e. The GCF of 6 and 10 is ....

2 Choose the correct answer: 5

a. 0.174 ≈ 0.17 to the nearest ....
- tenth
- hundredth
- hundred
- thousandth

b. The smallest number in each of the following is ....
39.02 , 39.2 , 39.210 , 40.0
- 40.0
- 39.210
- 39.02
- 39.2

c. Which choice represents the correct rounding of 7,999.52 to the nearest ones?
- 7,000
- 8,000
- 7,999
- 8,1000

d. The LCM for the numbers 12 and 20 is ....
- 4
- 6
- 20
- 60

e. The value of M in the equation M – 2 = 6 is ....
- 4
- 5
- 8
- 3

3 Find the GCF and the LCM of 12 and 8: 2

12 → 2 , 6 ; 6 → 2 , 3

8 → 2 , 4 ; 4 → 2 , 2

....

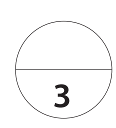
....

....

....

....

4 Answer each of the following:



a **Estimate the sum using benchmark numbers:**

0.592 + 0.481 = ...

b **Estimate the sum of the following using front-end estimation strategy:**

5.227 + 0.981 = ...

c There are **6.5 liters** of milk and **1,814 milliliters** of water in a pot.

How much liquid is in the pot in liters?

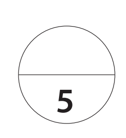
Mathematics

الصف 5 الابتدائي

الإجابات النموذجية للنماذج الاسترشادية لشهر أكتوبر

العام الدراسى 2022 - 2023

15 Marks — Model (1)



1 Complete each of the following:

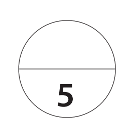
a In the number 675.97 the digit 6 is in the hundreds place. Its value is 600 .

b 0.528 = 5 tenths, 2 hundredths, 8 thousandths.

c 427 + 0.08 + 0.006 = 427.086 (in the standard form)

d The prime factors of 20 are: 2 , 2 , 5

e The variable in the equation $x + 5 = 9$ is x



2 Choose the correct answer:

a What would the number 3.263 become if it were increased by a factor of 10?

- 3.263
- 0.3263
- 326.3
- 32.63

b Five thousand, two hundred and twenty-three thousandths = ...

- 5,200. 230
- 5,200. 23
- 520.023
- 5,200.023

c 381.657 ≈ .... (to the nearest hundredth)

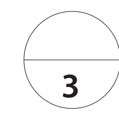
- 381.667
- 400
- 381.66
- 381.60

d The GCF for the pair (30 , 25) is ....

- 25
- 5
- 10
- 3

e ...... is a factor of the number 35

- 2
- 3
- 5
- 6



3 Solve each of the following problems:

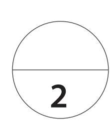
a Estimate using rounding to the nearest hundredths:

8.321 – 15.369 = ... 8.32 + 15.37 = 23.69

b Estimate the difference using benchmark numbers:

12.761 – 6.217 = ... 12.75 – 6.25 = 6.50

4 **Solve the following equation using bar model:**



$3.41 + y = 6.27$

6.27	
3.41	y

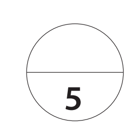
$y = 6.27 - 3.41$

$y = 2.86$

15 Marks

Model (2)

1 Complete each of the following:



a In 43,125.86 the digit 8 is in the tenth place. Its value is 0.8

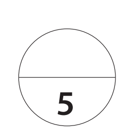
b Eighty-four thousand and twenty-seven hundredths = 84,000.27 (In the standard form)

c The value of the digit 3 in the number 8,476.23 is 0.03

d 6,966.34 = 6,000 + 900 + 0.3 + 60 + 0.04 + 6

e The number 8,476.23 ≈ 8,476.2 (to the nearest tenths)

2 Choose the correct answer:



a 59.16 .... 59.6

- < • > • = • otherwise

b 562.8935 ≈ ....(to the nearest thousandth)

- 562.894 • 562.8945 • 562.8935 • 6.000

c The sum of 462 and 11.2 has .... decimal place(s).

- 1 • 2 • 3 • 0

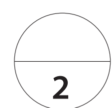
d If 8.675 – Z = 4.72, then Z = ...

- 4.603 • 3.955 • 3.950 • 4.955

e The LCM of 4 and 8 is ....

- 4 • 16 • 8 • 24

3 Arrange each of the following ascendingly:



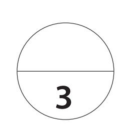
a 6.12 , 6.6 , 6.3 , 6.091

The order: 6.091 , 6.12, 6.3 , 6.6

b Estimate each number by rounding, to nearest tenths, then find their sum:

2.85 + 3.156 = ... 2.9 + 3.2 = 6.1

4 Fill in the bar model, then find the solution:



$2.456 + x = 7.382$

7.382	
2.456	x

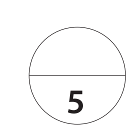
$x = 7.382 - 2.456$

$x = 4.926$

15 Marks

Model (3)

1 Complete each of the following:



a The digit in the hundredths place in the number 638.52 is 2 and its value is 0.02

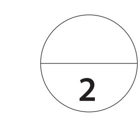
b 479.81 ≈ 480 (to the nearest whole number)

c 2 hundredths + 93 thousandths = 113 thousandths

d Nine thousand five hundred thirty-two and four hundred nine thousandths in the standard form is 9,532.409.

e The GCF of 6 and 10 is 2

2 Choose the correct answer:



a 0.174 ≈ 0.17 to the nearest ....

- tenth
- hundredth
- hundred
- thousandth

b The smallest number in each of the following is ....

39.02 , 39.2 , 39.210 , 40.0

- 40.0
- 39.210
- 39.02
- 39.2

c Which choice represents the correct rounding of 7,999.52 to the nearest ones?

- 7,000
- 8,000
- 7,999
- 8,1000

d The LCM for the numbers 12 and 20 is ....

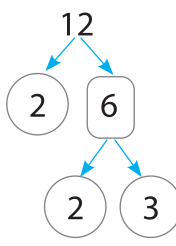
- 4
- 6
- 20
- 60

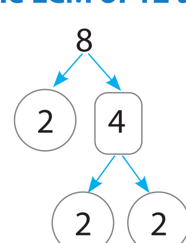
e The value of M in the equation M-2 = 6 is ....

- 4
- 5
- 8
- 3

3 Find the GCF and the LCM of 12 and 8:

2





12 = 2 × 2 × 3

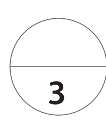
8 = 2 × 2 × 2

GCF = 2 × 2 = 4

LCM = 2 × 2 × 3 × 2

= 4 × 6 = 24

4 Answer each of the following:



a Estimate the sum using benchmark numbers:

0.592 + 0.481 = ... 0.5 + 0.5 = 1 whole

b Estimate the sum of the following using front-end estimation strategy:

5.227 + 0.981 = ... 5 + 0.9 = 5.9

c There are **6.5 liters** of milk and **1,814 milliliters** of water in a pot.

How much liquid is in the pot in liters?

The quantity of liquid = 6.5 L+ 1.814 L = 8.314 liters

Test (1)

1 Choose the correct answer:

1. 978.4852 ≈ 978.4900 (to the nearest ....).
   - a Thousandth
   - b Tenth
   - c Hundredth
2. If the value of the digit 6 is 0.006, the place value of the digit 6 is ....
   - a 6
   - b tenth
   - c hundredth
   - d thousandth
3. One of the multiples of the digit 9 is ....
   - a 3
   - b 19
   - c 27
   - d 39
4. The (G.C.F) of (36 , 45) is ....
   - a 3
   - b 6
   - c 9
   - d 12

2 Complete the following:

a 3 thousandths = ...

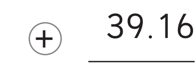
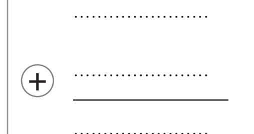
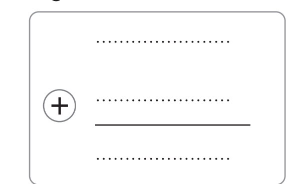
b The number 0.56 is read as ....

c $652 \frac{274}{10,000} \approx$ ....(to the nearest Thousandth)

d $0.\ldots\ldots = \frac{750}{\ldots\ldots} = 0.75 = \frac{75}{\ldots\ldots}$

3 Find the actual result, estimated result and rounding result for each of the following:

The actual value	The estimation	Rounding to the nearest Tenth
728.53 + 39.16	.... + ...	.... + ...

4 Match each number from (A) and (B) to the result rounded to the nearest One:

(A)	Rounding to the nearest One	(B)
76.35	42	76.46
42.72	77	42.83
77.09	43	41.53
41.79	76	77.47

Test (2)

1 Choose the correct answer:

1. Eman wrote this expression 187 + 146.5 = M. These two numbers represent the height of the Great Pyramid and the height of the Cairo Tower. What does the letter M represent?
   - a) The Great height.
   - b) The distance between the Cairo Tower and the Great Pyramid.
   - c) The difference between the heights of the Cairo Tower and the Great Pyramid.
   - d) The sum of heights of the Cairo Tower and the Great Pyramid.
2. All of the numbers .... are divisible by 3.
   - a) 13 , 27 , 15 b) 21 , 15 , 72 c) 29 , 30 , 18 d) 300 , 18 , 43

2 Solve the following equations using bar models:

a) 6.325 + L = 12.48

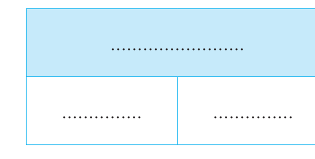
....	
6.325	....

L = ...

b) 48.54 – K = 16.918

K = ...

c) N – 17.42 = 3.58



N = ...

3 Put a (✓) for the correct statement and a (✗) for the incorrect statement:

a) 0.25 – 0.2 = 0.5 (   )

b) 7.8 < 8 + 0.7 (   )

c) $43 \frac{6}{1,000} = 43.006$ (   )

d) $\frac{8}{5} = 0.16$ (   )

4 **First: All of the following statements are correct except:**

- (a) If the digit in the decimal moves one place to the right, its value decreases by 10 times.
- (b) If the digit in the decimal moves two places to the right, its value decreases by 100 times.
- (c) If the digit in the decimal moves one place to the right, its value increases by 10 times.
- (d) If the digit in the decimal moves three places to the right, its value decreases by 1,000 times.

Second: The factors of K are (2, 3, 7) and the factors of N are (2, 3, 5).

Find:

- (a) (G.C.F) of K , N.
- (b) (L.C.M) of K , N.

Solution: K = ... N = ...

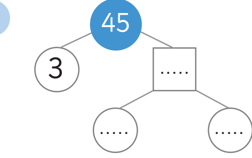
(G.C.F) = ... (L.C.M) = ...

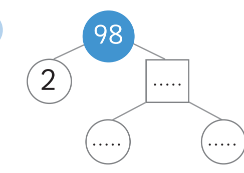
Test (3)

1 Choose the correct answer:

1. The number: 3,764.3649 ≈ .... (to the nearest Thousandth).
   - a 3,764.364
   - b 3,764.365
   - c 3,764.4
   - d 4,000
2. The prime number is the number which has ....
   - a four factors only
   - b two factors only
   - c three factors only
   - d one factor only
3. 3 milliard, three hundred and seventy-five thousandths = ...
   - a 3,000,375
   - b 300,000.375
   - c 3,000,000,000.375
   - d 3,000,000.375

2 Complete the factor tree and write the decomposing of the number of its prime factors:

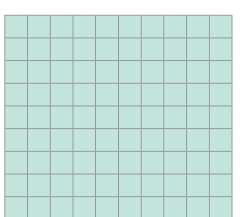
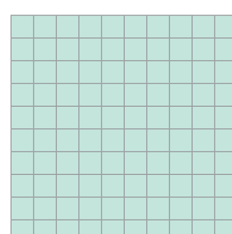
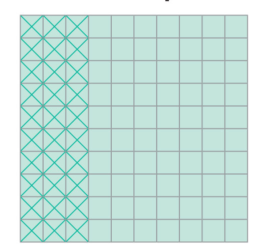
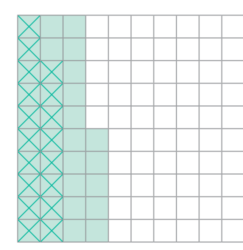




a The prime factors of 45 are ....

b The prime factors of 98 are ....

3 Write a mathematical expression equivalent to the model and use the model to find the value of the mathematical expression:

The mathematical expression: .... − .... =..............

4 The weight of an empty truck is 4,500 kilograms, and is loaded with boxes of mineral water. Its weight became 5,216.72 kilograms. What is the weight of the boxes?

The weight of the boxes = ...

= .... kilograms.

Test (4)

1 Choose the correct answer:

1. (L.C.M) of (7, 8) is ....
   - a) 65 b) 15 c) 56 d) 112
2. (2, 3, 3) are the prime factors of the number ....
   - a) 12 b) 18 c) 15 d) 8
3. The place value of the digit 9 in the number 452.379 is ....
   - a) 0.09 b) thousandth c) 0.009 d) hundredth
4. (G.C.F) of (16 , 24) is ....
   - a) 8 b) 16 c) 24 d) 48

2 Complete the following:

a) 73 thousandths = ...

b) The number: 2.57 is read as ....

c) 379.95 ≈ .... (to the nearest Tenth).

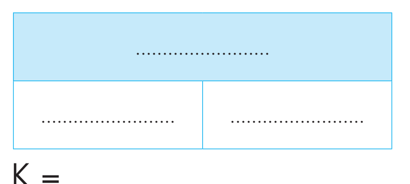
d) 5.9734 ≈ 5.9730 (to the nearest ....).

3 Match the equal results:

0.15	1,500 ÷ 1,000	$\frac{15}{1,000}$
0.015	1.5 ÷ 10	$\frac{150}{100}$
1.5	0.15 ÷ 10	$\frac{15}{100}$

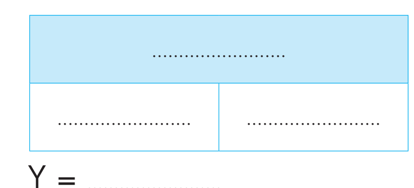
4 Solve the following equations using bar models:

a) 23.518 + K = 25



K = ...

b) Y – 0.765 = 18.235



Y = ...

Test (5)

1 Choose the correct answer:

1. (L.C.M) of (25 , 35) is ....
   - a 5
   - b 25
   - c 35
   - d 175
2. Hayat wants to write an equation with a variable to represent (35.9 plus a number equals 40), which of the following equations will be correct?
   - a $k = 40 + 35.9$
   - b $35.9 + k = 40$
   - c $40 + k = 35.9$
   - d $40 - k = 35.9$
3. (G.C.F) of (9, 12, 15) is ....
   - a 3
   - b 9
   - c 12
   - d 180
4. $9.38 - 8.98$ ◯ $1 - 0.6$
   - a $>$
   - b $<$
   - c $=$

2 First: Reorder the following set of numbers ascendingly:

6.52 , 65.2 , 0.652 , 6.052

The ascending order : .... , ... , ... , ...

Second: Use different methods to decompose the number: 73.85.

- a The first method (the expanded form): ....
- b The second method: ....
- c The third method: ....

3 First: Is the equation $K = 55 + 54 - 12 \times 9$ equivalent to the equation $Y = 0.64 + 0.36$? (Yes No)

Second: Solve the following equations:

- a $0.36 + Y = 1$ Y = ...
- b $K - 3.18 = 0.82$ K = ...
- c $28.24 + L = 30.46$ L = ...

4 Two pieces of cloth: the first is 5.6 decimeters wide and the second is 42 centimeters wide. The two pieces were divided into strips with equal widths. What is the width of these strips in centimeters?

....

Test (6)

1 **Choose the correct answer:**

1. The value of the digit 5 in the number: 43.652 is ....
   - a 0.005
   - b 0.5
   - c 0.05
   - d 5
2. The number: 485.63 rounded to the nearest Tenth equals ....
   - a 490.0
   - b 486.0
   - c 485.6
   - d 500.0
3. The decimal 0.085 is read as ....
   - a eighty-five
   - b eighty-five hundredths
   - c eighty-five tenths
   - d eighty-five thousandths

a The least common multiple (L.C.M) of (6, 9) is ....
   - a 3
   - b 54
   - c 18
   - d 15

2 **Put the suitable sign (< , > or =):**

a $6 - 2.05$ ◯ $1.25 + 2.7$

b $99.89 - 90.9$ ◯ $10 - 1.01$

c $58.003 - 57.03$ ◯ $1 + 0.973$

d $7.9 + 2.3$ ◯ $11.7 - 1.3$

3 **First: Put a (✓) for the correct equation and a (✗) for the incorrect equation:**

a $0.9 - 0.40 = 0.5$ (   )

b $6.7 < 7 + 0.6$ (   )

c $215 \frac{30}{100} = 215.03$ (   )

d $\frac{7}{5} = 1 \frac{4}{10}$ (   )

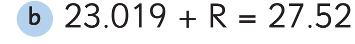
Second: Is the equation $y = 6.5 + 4.25$ equivalent to the equation $k = 6.55 + 4.2$? (Yes No)

4 **First: Solve the following equations using bar models:**

a $5.279 - M = 2.918$

....	
....	....

M = ...



b $23.019 + R = 27.52$

27.52	
....	....

R = ...

Test (7)

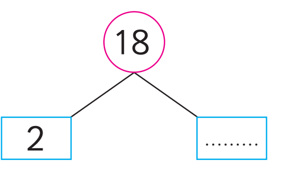
1 Choose the correct answer:

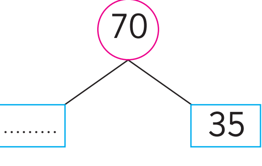
1. Which of the following represents an equation?
   (a) 5.2 + 15.8 (b) y – 0.12 (c) x – 0.12 = 30 (d) 2.37 – 0.5
2. 3.056 = ...
   (a) 3 + 56 (b) 3 + 0.05 + 0.006 (c) 30 + 0.5 + 0.006 (d) 56 + 0.03
3. The place value of the digit 3 in the number: 7.234 is ....
   (a) tens (b) hundredth (c) tenth (d) thousandth
4. All of the following are prime numbers except ....
   (a) 17 (b) 23 (c) 27 (d) 41

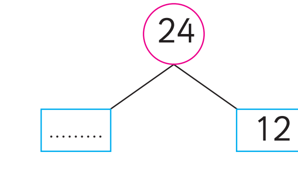
2 First: Read the following mathematical phrases then classify them to "equations", "mathematical expressions" or "neither of them":

(a) 19.72 – 8.006 (b) L = 2 × 17
(c) k – 0.35 (d) 35.16 – 19.9 = 15.26

Second: Complete the factor trees by writing the missing prime factors:







3 (a) **Write multiples of the number:** 3 that are included between 20 and 40.

....

(b) **Write multiples of the number:** 4 that are included between 19 and 40 then find the common multiples of the numbers 3 , 4

....

4 A fruit seller put 9 pears on a plate and 7 apples on another plate. If he sells the same number of the two fruits, what is the smallest number he has sold of these fruits?

....

Test (8)

1 Choose the correct answer:

1. The greatest common factor (G.C.F) of (21, 42) is ....
   - a 7 b 21 c 42 d 126
2. (L.C.M) of all numbers is ....
   - a 0 b 1 c 2 d 10
3. 375.92 ≈ .... (to the nearest whole number)
   - a 380 b 375.9 c 376 d 375
4. 37 + 0.04 = 0.2 = ...
   - a 37.06 b 37.6 c 37.24 d 37.42

2 First: Complete the following:

1. If the number: 17.419 decreases by the value of 1 tenth, it will be ....
2. 0.947 ≈ .... (to the nearest Hundredth).
3. 3.9543 ≈ 3.9540 (to the nearest ....).

Second: Write two whole numbers including the following decimal number between them so that the difference between them is as small as possible:

.... < 0.64 < ....

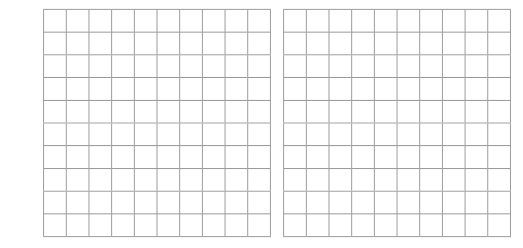
3 Reorder the following set of numbers descendingly:

10.6 , 10.125 , 10.75 , 10.25 , 10.50

The descending order: .... , ... , ... , ... , ...

4 First: Find the result of the following by shading the minuend on the digital board and add X's to represent the subtrahend:

2 – 0.58 =....................



Second: Fayrouz trains every 12 days while Nilly trains every 8 days. They are training together today. How many days will pass until they train together again?

....

Test (9)

1 Choose the correct answer:

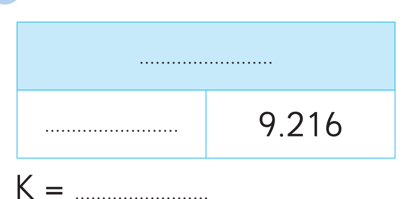
1. 36 hundredths + 37 hundredths ....
   - a 0.01
   - b 0.1
   - c 1
   - d 0.400
2. If y – 0.43 = 8, then y = ...
   - a 7.57
   - b 8.43
   - c 4.03
   - d 3.7
3. The factors of the digit 6 are ....
   - a 2, 3
   - b 1, 2, 3
   - c 2, 3, 6
   - d 1, 2, 3, 6
4. 258.56 ≈ .... (to the nearest Tenth)
   - a 260
   - b 258
   - c 258.6
   - d 258.5

2 Complete the following:

- a 28.319 × 10 = ...
- b 36.95 ÷ 10 = ...
- c 539.283 = ... (to the nearest Hundredth)
- d 327.85 – 99.237 = ...

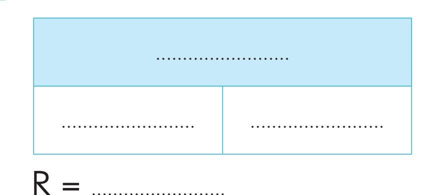
3 Solve the following equations using bar models:

a 35.427 = K + 9.216



K = ...

b R – 17.063 = 5.98



R = ...

4 First: Put the suitable sign (<, > or =):

- a (G.C.F) of (5, 7) ◯ (G.C.F) of (2, 6).
- b (L.C.M) of (2, 3) ◯ (L.C.M) of (3, 6).

Second: Find (G.C.F) for (2, 8) then write a number greater than 40 so that it is a common multiple of (2, 8) and also a multiple of the product of their multiplying.

....

Test (10)

1 Choose the correct answer:

1. 3.517 > ....
   - a) 3.518 b) 3.715 c) 3.009 d) 3.6
2. Which of the following is not a prime number?
   - a) 11 b) 17 c) 18 d) 7
3. (L.C.M) of (12, 18) is ....
   - a) 6 b) 30 c) 36 d) 72
4. The number of factors of 12 is ....
   - a) 2 b) 4 c) 6 d) 8

2 Complete the following:

a) 16.035 = ... + ... + ... + ...

b) If: K + 0.048 = 2.56   then K = ...

c) 359.54 ≈ .... (to the nearest whole number)

3 A piece of cloth is 14.56 m long. Another piece of cloth is 25.08 m long. How much longer is the second piece than the first?

....

....

4 Match each item in (A) to the equivalent decimal in (B):

(A)	(B)
a) thirty-six and seven hundredths	36.7
a) 59.42 – 22.72 = ...	37.6
c) 15.41 + 22.19 = ...	37.7
d) 30 + 6 + 0.007 = ...	36.07
e) 93 – 55.3 = ...	36.007

Answers

Test 1

1. (1) c (2) d (3) c (4) c
2. (a) 0.003 (b) fifty-six hundredths (c) 652.0274 ≈ 652.027 (d) $0.750 = \frac{750}{1,000} = \frac{75}{100}$
3. The actual value = 767.69 The estimation: 730 = 30 + 700 The rounding: 767.7
4. 76.35 ≈ 76 ≈ 76.46 , 42.72 ≈ 43 ≈ 42.83 , 77.09 ≈ 77 ≈ 77.47 , 41.79 ≈ 42 ≈ 41.53

Test 2

1. (1) d (2) b
2. a = 6.155 , b = 31.622 , c = 21
3. a) ✗ b) ✓ c) ✓ d) ✗
4. First: c Second: K = 42 , N = 30 (a) (G.C.F) = 6 (b) (L.C.M) = 210

Test 3

1. (1) b (2) b (3) c
2. (a) 3 , 3 , 5 (b) 2 , 7 , 7
3. 3.35 – 0.48 = 2.87
4. Weight of boxes = 716.72 kg.

Test 4

1. (1) c (2) b (3) b (4) a
2. (a) 0.073 (b) two and seventy-five hundredths (c) 380.0 (d) thousand
3. $0.15 = 1.5 \div 10 = \frac{15}{100}$, $0.015 = 0.15 \div 10 = \frac{15}{1,000}$, $1.5 = 1,000 \div 1,500 = \frac{150}{100}$
4. (a) K = 1.482 (b) Y = 19

Test 5

1. (1) d (2) b (3) a (4) c
2. First: 0.625 , 6.052 , 6.52 , 65.2

   Second: (a) 70 + 3 + 0.8 + 0.05 (b) 73 + 0.85 (c) 70 + 3.85
3. First: Yes Second: a) Y = 0.64 b) K = 4 c) L = 2.22
4. 5.6 dm = 56 cm , Width = 7 cm

Test 6

1. ① c ② c ③ d ④ c
2. ⓐ = ⓑ = ⓒ < ⓓ <
3. First: ⓐ ✓ ⓑ ✓ ⓒ ✗ ⓓ ✓ Second: Yes
4. ⓐ 2.361 ⓑ R = 4.051

Test 7

1. ① c ② b ③ b ④ c
2. First: ⓑ equations ⓓ mathematical expressions ⓐ , ⓒ neither of them
   Second: ⓐ 2 , 3 , 3 ⓑ 2 , 5 , 7 ⓒ 2 , 2 , 2 , 3
3. ⓐ 21 , 24 , 27 , 30 , 33 , 36 , 39
   ⓑ 20 , 24 , 28 , 32 , 36 (L.C.M) for (4 , 3) is 24
4. 64

Test 8

1. ① b ② a ③ c ④ c
2. First: ⓐ 17.319 ⓑ 0.95 ⓒ thousand Second:1 , 0
3. 10.75 , 10.6 , 10.50 , 10.25 , 10.125
4. First: 1.42 Second: 24 days.

Test 9

1. ① c ② b ③ d ④ c
2. ⓐ 283.19 ⓑ 3.695 ⓒ 593.28 ⓓ 228.613
3. ⓐ K = 26.211 ⓑ R = 23.043
4. First: ⓐ > ⓑ = Second: (G.C.F) = 48 , 2

Test 10

1. ① c ② c ③ c ④ c
2. ⓐ 10 + 6 + 0.03 + 0.005 ⓑ K = 2.512 ⓒ 360
3. 10.25 meters.
4. ⓐ 36.07 ⓑ 36.7 ⓒ 37.6 ⓓ 36.007 ⓔ 37.7

Name : ……………….
Primary : 5 **model (1)** **15**
Mathematics

Q1: Choose the correct answer (5 Marks) :

1) The value of the digit 3 in the number 734.52 is ……………………….
(3 , 30 , 0.3 , 0.03) .

2) 2 and 3 are common factors of ……………………….
(5 , 6 , 15 , 9) .

3) The GCF of 5 and 7 is ……………………….
(35 , 12 , 1 , 0) .

4) 5 thousands + 37 thousands = ………………………. thousands
(24 , 42 , 420 , 35) .

5) If G + 710 = 930 , then G = ……………………….
(1,640 , 220 , 180 , 120).

Q2: Complete (5 Marks) :

1) The place value of the digit 9 in the number 91.67 is …………………………..

2) The smallest number with 3 decimal numbers formed from the digits (3 , 9 , 2 , 0 , 7) is ……………………….

3) The factors of 20 are ……………………………………………………..

4) The number whose prime factors are 2 , 3 , 5 is ……………………….

5) 9.7 × 100 = ……………………………….

Q3 : Answer the following (5 Marks) :

1) Mona had 2.25 m of cloth . she cut from them 1.7 m to make a dress for her Daughter sereen . How long is cloth that remained with mona ?

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2) Find the (GCF) and (LCF) of 8 and 12

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Name : ……………….
Primary : 5 **model (2)** **15**
Mathematics

Q1: Choose the correct answer (5 Marks) :

1) The place value of the digit 9 in the number 1.539 is ……………………….
(ones , tenths , hundredths , thousandths) .

2) The number which has only one factor is ……………………….
(0 , 1 , 2 , 3) .

3) If y + 3 = 9.25 , then y = ……………………….
(12.25 , 6.25 , 6 , 12) .

4) 13 tenths = ………………………. hundredths
(0.13 , 1.3 , 130 , 1,300) .

5) 63.217 ………………………. 63.7
(> , < , = , otherwise).

Q2: Complete (5 Marks) :

1) ………………………… = 100 + 8 + 0.6 + 0.008

2) The common factor of all numbers is ……………………….

3) 8.639 round to the nearest hundredth is ……………………………………………………

4) The GCF of 20 and 30 is ……………………….

5) 12.87 - 7.38 = ……………………………….

Q3 : Answer the following (5 Marks) :

1) Mona bought a pencil for L.E 1.45 and a copy book for L.E 6.12
How much money did she spend ?

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2) Find the (GCF) and (LCF) of 12 and 18

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Questions on unit 1 and 2

Complete :

1) 6 hundredths + 8 thousandths = ……………………. thousandths

2) The greatest number with 3 decimal numbers formed from the digits (5 , 6 , 3 , 7 ,) is ……………………….

3) 8.65 ≈ ……………………. (round to nearest whole number)

4) one hundred , two and sixty three thousandths = ……………………………. (in standard form)

5) Tenths place in 65.987 is …………………….

6) The value of the digit 9 in thousandths place is …………………….

7) 13.9 ÷ ……………………. = 0.139

8) 6.12 × 100 = …………………….

9) 45.806 = …………………………………………………………………………………. (in expanded form)

10) 2. 567 ≈ ……………………. (round to nearest tenths)

11) 4 tenths + 29 hundredths = ………………………………. hundredths

12) The estimation of 56.42 - 4.84 by rounding to nearest tenths place is : ………….

13) If 23.024 + K = 25.123 , then K = ……………………………….

14) 3. 23 + p = 11.25 , p = ……………………………….

15) all the factors of 14 are ………………………………………………………………

16) all the factors of 27 are ……………………………….

17) If 6 × y = 42 , then y = ……………………………….

18) 2 , 2 , 2 , 3 are the prime factors of the number ……………………………….

19) The prime number of 14 are ……………………………….

20) The prime numbers of 20 are ……………………………….

21) ………………….. is a common factor of 6 and 9

22) List the first of multiples of 6 ………………………………………………………………

23) The common factor of all numbers is ……………………………….

24) The product of any two numbers is a ………………………………. for these two numbers

25) The GCF of 5 and 7 is ……………………………….

26) The GCF of 7 and 10 is ……………………………….

27) The GCF of 12 and 16 is ……………………………….

28) The LCF of 3 and 6 is ……………………………….

29) The LCF of 6 and 9 is ……………………………….

30) The number of factors of any two prime number is ……………………………….

31) ………………………………. is only even prime number

32) The LCF of the two numbers 14 and 10 is ……………………………….

Answer each of the following

1) y - 6.25 = 7.49 , then y = ……………………………….

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2) Find the LCF and GCF of each of two numbers :

1) 6 and 9 **2) 12 and 16**

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3) The sum of three decimal numbers is 496.28 . if two of them are 238.94 and 110.09 , then find the third number

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